



AIRLESS PAINT SPRAYER SERVICE/OPERATION MANUAL



**AIRLESSCO
EZ Rent 570 & 700**

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INTRODUCTION

LO-BOY FRAME



HI-BOY FRAME



Your new Airlessco "EZ Rent" Series airless paint sprayer is designed to meet the demands of the equipment rental industry and the professional painting contractor. The famous Airlessco slow-stroking stainless steel piston pump delivers extra long life for the piston, packings, valve seats and balls. The patented Triple-Life packing system is externally adjustable, extending packing life and reducing repacking costs. Its large high-torque electric motor runs slower reducing heat. The motor is fan cooled and totally enclosed to reduce brush wear and to prevent the ignition of paint fumes in the motor.



| | EZ Rent 570 | EZ Rent 700 |
|----------------------|-------------------|-------------------|
| Max Pressure | 3000 PSI | 3000 PSI |
| Output (FreeFlow) | 0.86 GPM | 0.96 GPM |
| Output (At Pressure) | 0.57 GPM | 0.68 GPM |
| Tip Size (1 Gun) | 0.025 in. | 0.027 in. |
| Motor | DC TEFC 0.9 HP | DC TEFC 0.9 HP |

WARNING

**HANDLE THIS UNIT AS YOU WOULD A LOADED FIREARM!
HIGH PRESSURE SPRAY CAN CAUSE EXTREMELY SERIOUS INJURY. OBSERVE ALL WARNINGS!**

MANUAL NOTATIONS

WARNING - Alerts user to avoid or correct conditions that could cause bodily injury.

CAUTION - Alerts user to avoid or correct conditions that could cause damage to or destruction of equipment.

IMPORTANT - Alerts users to steps or procedures that are essential to proper equipment repair and maintenance.

NOTE - Identifies essential procedures or extra information.

BEFORE OPERATING THIS UNIT, READ AND FOLLOW ALL SAFETY WARNINGS AND INSTRUCTIONS RELATED TO THE USAGE OF THIS EQUIPMENT ON PAGES 2, 3 & 4. READ, LEARN, AND FOLLOW THE PRESSURE RELIEF PROCEDURE ON PAGE 8 OF THIS MANUAL.

All Service Procedures to be performed by an Authorized Airlessco Service Center **ONLY**.
NO MODIFICATIONS or alterations of any **AIRLESSCO** Equipment or part is allowed.

WARNINGS

MEDICAL ALERT - Airless Spray Wounds

If any fluid appears to penetrate your skin, get **EMERGENCY MEDICAL CARE AT ONCE**. **DO NOT TREAT AS A SIMPLE CUT**. Tell the doctor exactly what fluid was injected. Have him read the following "NOTE TO PHYSICIAN".

WARNING

HIGH PRESSURE SPRAY CAN CAUSE EXTREMELY SERIOUS INJURY. OBSERVE ALL WARNINGS. THIS SPRAYER IS FOR PROFESSIONAL USE ONLY.

INJECTION HAZARD

FLUIDS UNDER HIGH PRESSURE FROM SPRAY OR LEAKS CAN PENETRATE THE SKIN AND CAUSE EXTREMELY SERIOUS INJURY, INCLUDING THE NEED FOR AMPUTATION.

NEVER point the spray gun towards anyone or at any part of the body.

NEVER put hand or fingers over the spray tip. Do not use rag or other materials over your fingers. Paint will penetrate through material and into the hand.

NEVER try to stop or deflect leaks with your hand or body. **ALWAYS** have gun tip guard in place when spraying.

ALWAYS lock gun trigger when you stop spraying.

ALWAYS remove tip from the gun to clean it.

NEVER try to "blow back" paint, it's not an air sprayer.

ALWAYS follow the **PRESSURE RELIEF PROCEDURE**, as shown on page 8, before cleaning or removing the spray tip or servicing any system equipment.

Be sure equipment safety devices are operating properly before each use.

ALWAYS tighten all fluid connections before each use.

MEDICAL TREATMENT

If any fluid appears to penetrate your skin, get **EMERGENCY CARE AT ONCE**.

DO NOT TREAT AS A SIMPLE CUT.

- Go to an emergency room immediately.
- Tell the doctor you suspect an injection injury.
- Tell him what kind of material you were spraying with and have him read **NOTE TO PHYSICIAN** above.

GENERAL PRECAUTION

NEVER alter equipment in any manner.

NEVER smoke while in spraying area.

NEVER spray highly flammable materials.

NEVER use around children.

NEVER allow another person to use sprayer unless he is thoroughly instructed on its' safe use and given this operators manual to read.

ALWAYS wear a spray mask, gloves and protective eye wear while spraying.

ALWAYS ensure fire extinguishing equipment is readily available and properly maintained.

NEVER LEAVE SPRAYER UNATTENDED WITH PRESSURE IN THE SYSTEM. FOLLOW PRESSURE RELIEF PROCEDURES ON PAGE 8.

NOTE TO PHYSICIAN: Injection in the skin is a traumatic injury. It is important to treat the injury surgically as soon as possible. **DO NOT DELAY** treatment to research toxicity. Toxicity is a concern with some exotic coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.

ALWAYS INSPECT SPRAYING AREA

Keep spraying area free from obstructions.

Make sure area has good ventilation to safely remove vapors. **NEVER** keep flammable material in spraying area. **NEVER** spray in vicinity of open flame or other sources of ignition. Spraying area must be at least 20 ft. away from spray unit.

SPRAY GUN SAFETY

ALWAYS set safety lock on the gun in "**LOCKED**" position when not in use and before servicing or cleaning.

DO NOT remove or modify any part of gun.

ALWAYS remove spray tip when cleaning.

Flush unit with **LOWEST POSSIBLE PRESSURE**.

CHECK operation of all gun safety devices before each use. Be very careful when removing the spray tip or hose from gun. A plugged line contains fluid under pressure. If the tip or line is plugged, follow the **PRESSURE RELIEF PROCEDURE** as outlined on page 8.

TIP GUARD

ALWAYS have the tip guard in place on the spray gun while spraying. The tip guard alerts you to the injection hazard and helps prevent accidentally placing your fingers or any part of your body close to the spray tip.

SPRAY TIP SAFETY

USE EXTREME CAUTION when cleaning or changing spray tips. If the spray tip clogs while spraying, engage the gun safety latch immediately.

ALWAYS follow the **PRESSURE RELIEF PROCEDURE** before removing the spray tip to clean it.

NEVER wipe off build up around the spray tip.

ALWAYS remove tip & tip guard to clean **AFTER** pump is turned off and the pressure is relieved by following the **PRESSURE RELIEF PROCEDURE**.

WARNINGS CONTINUED ON NEXT PAGE.....

WARNINGS - CONTINUED

HOSES

Tighten all fluid connections securely before each use. High pressure fluid can dislodge a loose coupling or allow high pressure spray to be emitted from the coupling and result in an injection injury or serious bodily injury.

Use only hose that has a spring guard. The spring guard helps protect the hose from kinks or other damage which could result in hose rupture and cause an injection injury.

NEVER use a damaged hose, which can result in hose failure or rupture and cause in injection injury or other serious bodily injury or bodily damage. Before each use, check entire hose for cuts, leaks, abrasion or bulging of cover, or damage or movement of couplings. If any of these conditions exist, replace the hose immediately.

Never use tape or any device to try to mend the hose as it cannot contain the high pressure fluid. **NEVER ATTEMPT TO RECOUPLE THE HOSE.** High pressure hose is not recoupleable.

Help prevent damage to the hose by handling and routing it carefully. Do not move the sprayer by pulling it with the hose.

LABELING

Keep all labels on the unit clean and readable. Replacement labels are available from manufacturer.

TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in eyes or on skin, inhaled or swallowed. Know the hazards of the fluid you are using. Store & dispose of hazardous fluids according to manufacturer, local, state & national guidelines.

ALWAYS wear protective eyewear, gloves, clothing and respirator as recommended by fluid manufacturer.

GROUNDING

Ground the sprayer and other components in the system to reduce the risk of static sparking, fire or explosion which can result in serious bodily injury and property damage.

ALWAYS GROUND ALL OF THESE COMPONENTS:

1. Sprayer: Connect a ground wire and clamp (supplied) to a true earth ground.
2. Fluid Hose: use only grounded hoses.
3. Spray gun or dispensing valve: grounding is obtained through connection to a properly grounded fluid hose and pump.
4. Object being sprayed: according to your local code.
5. All solvent pails used when flushing should only be metal pails which are conductive.

Once each week, check electrical resistance of hose (when using multiple hose assemblies, check overall resistance of unpressurized hose must not exceed 29 megohms (max) for any coupled length or combination of hose lengths. If hose exceeds these limits, replace it immediately.

Never exceed 500 Ft. (150 m.) overall combined hose length to assure electrical continuity.

KEEP CLEAR OF MOVING PARTS

Keep clear of moving parts when starting or operating the sprayer. Do not put your fingers into any openings to avoid amputation by moving parts or burns on hot parts. Precaution is the best insurance against an accident.

When starting the engine, maintain a safe distance from moving parts of the equipment.

Before adjusting or servicing any mechanical part of the sprayer, follow the **PRESSURE RELIEF PROCEDURE** on page 8, and remove the ignition cable from the spark plug to prevent accidental starting of sprayer.

UL RECOMENDATION FOR MINIMUM GAUGE EXTENSION CORD

| AMPERAGE RATING RANGE | VOLTAGE | LENGTH OF CORD IN FEET | | | | | | | | |
|-----------------------------|---------|------------------------|----|-----|-----|-----|-----|-----|-----|-----|
| | | 25 | 50 | 100 | 150 | 200 | 250 | 300 | 400 | 500 |
| 5-6 | 120 | 18 | 16 | 12 | 12 | 10 | 10 | 8 | 8 | 6 |
| 6-8 | 120 | 18 | 16 | 12 | 10 | 10 | 8 | 6 | 6 | 6 |
| 8-10 | 120 | 18 | 14 | 12 | 10 | 8 | 8 | 6 | 6 | 4 |
| 10-12 | 120 | 16 | 14 | 10 | 8 | 8 | 6 | 6 | 4 | 4 |

WARNINGS CONTINUED ON NEXT PAGE.....

WARNINGS - CONTINUED

AVOID COMPONENT RUPTURE

This sprayer operates at 3000 psi (205 bar). **ALWAYS** be sure that all components and accessories have a maximum working pressure of at least 3000 psi to avoid rupture which can result in serious bodily injury including injection and property damage.

NEVER leave a pressurized sprayer unattended to avoid accidental operation of it which could result in serious bodily injury.

ALWAYS follow the **PRESSURE RELIEF PROCEDURE** whenever you stop spraying and before adjusting, removing or repairing any part of the sprayer.

NEVER alter or modify any part of the equipment to avoid possible component rupture which could result in serious bodily injury and property damage.

NEVER use weak or damaged or non-conductive paint hose. Do not allow kinking or crushing of hoses or allow it to vibrate against rough or sharp or hot surfaces. Before each use, check hoses for damage and wear and ensure all fluid connections are secure.

REPLACE any damaged hose. **NEVER** use tape or any device to mend the hose.

NEVER attempt to stop any leakage in the line or fittings with your hand or any part of the body. Turn off the unit and release pressure by following **PRESSURE RELIEF PROCEDURE**.

ALWAYS use approved high pressure fittings and replacement parts.

ALWAYS ensure fire extinguishing equipment is readily available and properly maintained.

WARNING: Do not use halogenated solvents in this system. The prime valve, 2 gun manifold and most airless guns have aluminum parts and may explode. Cleaning agents, coatings, paints or adhesives may contain halogenated hydrocarbon solvents. DON'T TAKE CHANCES! Consult your material suppliers to be sure. Some of the most common of these solvents are: Carbontetrachloride, Chlorobenzene, Dichloroethane, Dichloroethyl Ether, Ethylbromide, Ethylchloride, Tetrachloroethane. Alternate valves and guns are available if you need to use these solvents.

IMPORTANT: United States Government safety standards have been adopted under the Occupational Safety & Health Act. These standards, particularly the General Standards, Part 1910, & the Construction Standards, part 1926 should be consulted.

WHEN SPRAYING & CLEANING WITH FLAMMABLE PAINTS OR THINNERS:

1. When spraying with flammable liquids, the unit must be located a minimum of 25 feet away from the spraying area in a well ventilated area. Ventilation must be sufficient enough to prevent the accumulation of vapors.
2. To eliminate electrostatic discharge, ground the spray unit, paint bucket and spraying object. Use only high pressure airless hoses approved for 3000 psi which is conductive.
3. Remove spray tip before cleaning gun and hose. Make contact of gun with bucket and spray without the tip in a well ventilated area, into the grounded steel bucket.
4. Never use high pressure in the cleaning process. **USE MINIMUM PRESSURE.**
5. Do not smoke in spraying/cleaning area.

PREVENT STATIC SPARKED FIRE/ EXPLOSIONS

ALWAYS be sure all equipment and objects being sprayed are properly grounded.

ALWAYS ground sprayer, paint bucket and object being sprayed. See "grounding" on page 3 for detailed grounding information. Vapors created when spraying can be ignited by sparks. To reduce the risk of fire, always locate the sprayer at least 20 feet (6 m.) away from the spray area.

DO NOT plug in or unplug any electrical cords in the spray area, which can create sparks, when there is any chance of igniting vapors still in the air. Follow the coating & solvent manufacturers safety warnings and precautions.

Use only conductive fluid hoses for airless applications. Be sure gun is grounded through hose connections. Check ground continuity in hose & equipment. Overall (end to end) resistance of unpressurized hose must not exceed 29 megohms for any coupled length or combination of hose length. Use only high pressure airless hoses with static wire approved for 3000 psi.

FLUSHING

Reduce the risk of injection injury, static sparking or splashing by following the specific cleaning procedure on page 5.

ALWAYS follow the **PRESSURE RELIEF PROCEDURE** on page 8.

ALWAYS remove the spray tip before flushing. Hold a metal part of the gun firmly to the side of a metal pail and use the lowest possible fluid pressure during flushing.

NEVER use cleaning solvents with flash points below 140 degrees F. Some of these are: acetone, benzene, ether, gasoline, naphtha. Consult your supplier to be sure.

NEVER SMOKE IN THE SPRAYING/CLEANING AREA.

FLUSHING

1. NEW SPRAYER

Your unit was factory tested in an oil solution which was left in the pump. Before using oil-base paint, flush with mineral spirits only.

Before using water-base paint flush with mineral spirits, followed by soapy water, then a clean water flush.

2. CHANGING COLORS

Flush with a compatible solvent such as mineral spirits or water.

3. CHANGING FROM WATER-BASE TO OIL-BASE PAINT

Flush with soapy water, then mineral spirits.

4. CHANGING FROM OIL-BASE TO WATER-BASE PAINT

Flush with mineral spirits, followed by soapy water, then a clean water flush.

5. STORAGE

Oil-base paint: Flush with mineral spirits.

Water-base paint: Flush with water, then mineral spirits and leave the pump, hose and gun filled with mineral spirits.

For longer storage, use mixture of mineral spirits and motor oil (half & half). Shut off the sprayer, follow **PRESSURE RELIEF PROCEDURE** on page 8 to relieve pressure and make sure prime valve is left open.

6. START UP AFTER STORAGE

Before using water-base paint, flush with soapy water and then a clean water flush.

When using oil-base paint, flush out the mineral spirits with the material to be sprayed.

HOW TO FLUSH

FIG. 1

REMOVE SPRAY TIP

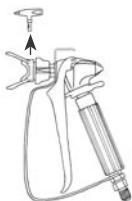


FIG. 2

PRESSURE CONTROL KNOB



FIG. 3

PRIME VALVE

CLOSED (Pressure)
OPEN (Priming & Pressure Relief)

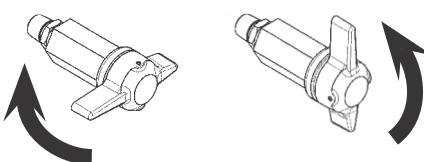


FIG. 4

MAINTAIN FIRM METAL TO METAL CONTACT
BETWEEN GUN AND CONTAINER



Flushing Procedure

1. Be sure the gun safety latch is engaged and there is no spray tip in the gun. Refer to Fig. 1. Refer to your separate instruction manual provided with your gun on its safety features and how to engage safety latch.
2. Pour enough clean, compatible solvent into a large, empty metal pail to fill the pump and hoses.
3. Place the suction tube into the pail or place the pail under the pump.
4. Turn pressure control knob to low. Refer to Fig. 2.
5. Open the prime valve to the open - "Priming Position". This will allow an easy start. Refer to Fig. 3.
6. Turn the engine ON/OFF switch to ON.
7. Point the gun into the metal pail and hold a metal part of the gun firmly against the pail Refer to fig.4.
8. Disengage the gun safety latch and squeeze the trigger. At the same time, slowly turn the pressure control knob clockwise just enough to move liquid at low pressure.
9. Allow the pump to operate until clean solvent comes from the gun.

WARNING: To reduce the risk of static sparking, which can cause fire or explosion, always hold a metal part of the gun firmly against the metal pail when flushing. This also reduces splashing. Refer to Fig 4.

10. Release the trigger and engage the gun safety latch.
11. If you are going to start spraying, place the pump or suction tube into the supply container. Release the gun safety latch and trigger the gun into another empty, metal container, holding a metal part of the gun firmly against the metal pail (Fig. 4), forcing the solvent from the pump and hose. When paint starts coming from gun, turn pressure control knob to minimum pressure, place prime valve in prime (open) position and engage the gun safety latch.
12. If you are going to store the sprayer, remove the suction tube or pump from the solvent pail force the solvent from the pump and hose. Engage the gun safety latch and refer to the "Storage" Procedure above. Step 5.
13. Whenever you shut off the sprayer follow **PRESSURE RELIEF PROCEDURE** warning on page 8.

SETTING UP

1. CONNECT THE HOSE AND GUN

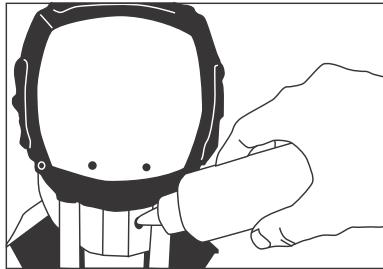
- a. Remove the plastic cap plug from the outlet and screw a conductive or grounded 3000 psi spray hose onto fluid outlet.
- b. Connect an airless spray gun to the other end of the hose, but do not install the spray tip yet!

NOTE: Do not use thread sealer on swivel unions as they are made to self seal.

2. FILL THE PACKING NUT/WET CUP

FIG. 5

Fill the Packing Nut/Wet Cup with 5 drops of Airlessco Throat Seal Oil (TSO).



3. ELECTRICAL SERVICE

Be sure the electrical service is 120 VAC, 15 amp minimum, and that the outlet you use is properly grounded.

NOTE: FOR GENERATOR POWER, A MINIMUM OF 7000 WATT GENERATOR WITH VOLTAGE REGULATION MUST BE USED.

4. GROUNDING

WARNING: To reduce the risk of static sparking, fire or explosion which can result in serious bodily injury and property damage, always ground the sprayer and system components and the object being sprayed, as instructed in the safety warning section of this manual.

5. FLUSH THE SPRAYER

Follow "Flushing Procedure" on page 5 of this manual.

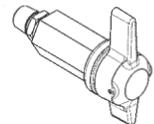
STARTING UP

1. LEARN THE FUNCTIONS OF THE CONTROLS.

PRIME/PRESSURE (PR) RELIEF VALVE is used to prime pump and to relieve pressure from gun, hose and tip. Prime/Pressure Relief Valve

PRESSURE CONTROL KNOB is used to adjust pressure. Turn clockwise (CW) to increase pressure and counterclockwise (CCW) to decrease pressure.

(Prime/PR Valve) Used to relieve pressure from gun, hose & tip and to prime the unit when in **OPEN** position. (It is in open position when there is a wider gap between valve handle and cam body.)



When in **CLOSED** position, there is only a very slight gap between handle & body. When closed the system is pressurized. Handle as a loaded firearm!

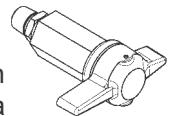
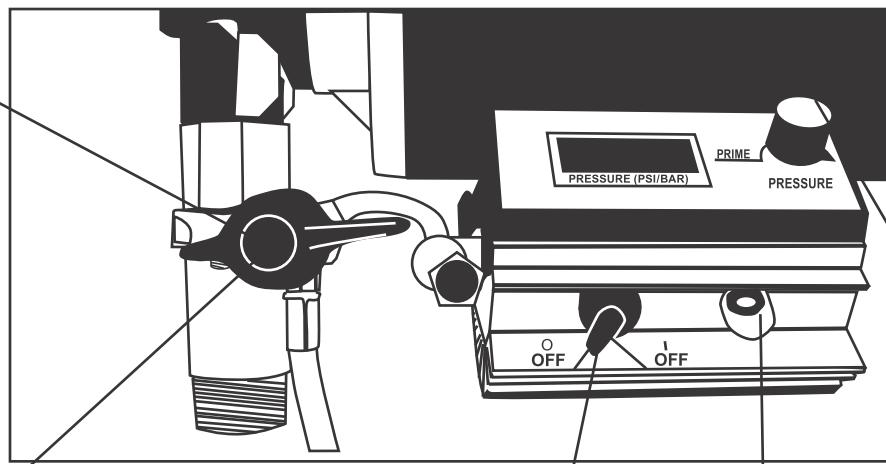


FIG. 6

PRIME/PRESSURE RELIEF VALVE (PRIME/PR VALVE): Used to relieve pressure from gun/hose/tip and to prime the unit when in **OPEN** position. (It is in open position when there is a wider gap between valve handle and cam body). Learn and follow the **PRESSURE RELIEF PROCEDURE** on page 8 of this manual. When in closed position (very slight gap) the system is pressurized and ready to spray.



When you turn the valve handle and the gap between the valve handle and the cam body becomes wider - this means the valve is in the open position. It is in the closed position when the gap becomes very small.

PRESSURE CONTROL KNOB: used to adjust pressure only. Turn clockwise to increase pressure and counterclockwise to decrease pressure.

STARTING UP

2. PREPARE THE MATERIAL

- a. Prepare the material according to the material manufacturer's recommendations.
- b. Place the suction tube into the material container.

3. STARTING THE SPRAYER

- a. Prime/PR Valve must be "OPEN" in the priming position.
- b. When you have ensured that the gun safety latch is engaged, attach tip and safety guard.
- c. Turn the engine ON/OFF switch to the "ON" position.
- d. Turn Pressure Control Knob clockwise to prime the pump.
- e. After the pump is primed, turn Prime/PR Valve to the "Closed" position.
- f. Turn Pressure Control Knob to the desired spray pressure.
- g. Disengage the gun safety latch and you are ready to spray.

4. ADJUSTING THE PRESSURE

- a. Turn the Pressure Control Knob Clockwise to increase pressure and counterclockwise to decrease pressure.
- b. Always use the lowest pressure necessary to completely atomize the material.

NOTE: OPERATING THE SPRAYER AT HIGHER PRESSURE THAN NEEDED, WASTES MATERIAL, CAUSES EARLY TIP WEAR, AND SHORTENS SPRAYER LIFE.

- c. If more coverage is needed, use a larger tip rather than increasing the pressure.
- d. Check the spray pattern. The tip size and angle determines the pattern width and flow rate.

WARNING

To stop the unit in an emergency, turn the engine off. Then relieve the fluid pressure in the pump and hose as instructed in the **PRESSURE RELIEF PROCEDURE**.

5. WHEN SHUTTING OFF THE SPRAYER

- a. Whenever you stop spraying, even for a short break, follow the **PRESSURE RELIEF PROCEDURE**.
- b. Clean the tip & gun as recommended in the separate Gun Manual supplied with the gun.
- c. Flush the sprayer at the end of each work day, if the material you are spraying is water-based, or if it could harden in the sprayer overnight. See "Flushing". Use a compatible solvent to flush, then fill the pump and hoses with an oil based solvent such as mineral spirits.
- d. For long term shutdown or storage, refer to the "Flushing" section of this manual.

WARNING

Be sure to relieve pressure in the pump after filling with Airlessco Pump Conditioner.

AVOIDING TIP CLOGS

There is an easy way to keep the outside of the tip clean from material build up:

Every time you stop spraying, for even a minute, lock the gun and submerge it into a small bucket of thinner suitable for the material sprayed.

Thinner will dissolve the buildup of paint on the outside of tip, tip guard and gun much more effectively if the paint doesn't have time to dry out completely.

WARNING

FOLLOW THE "PRESSURE RELIEF PROCEDURE".

To reduce the risk of injection, never hold your hand, body, fingers or hand in a rag in front of the spray tip when cleaning or checking for a cleared tip. Always point the gun toward the ground or into a waste container when checking to see if the tip is cleared or when using a self-cleaning tip.

WARNING

When you spray into the paint bucket, always use the lowest spray pressure and maintain firm metal to metal contact between gun and container.

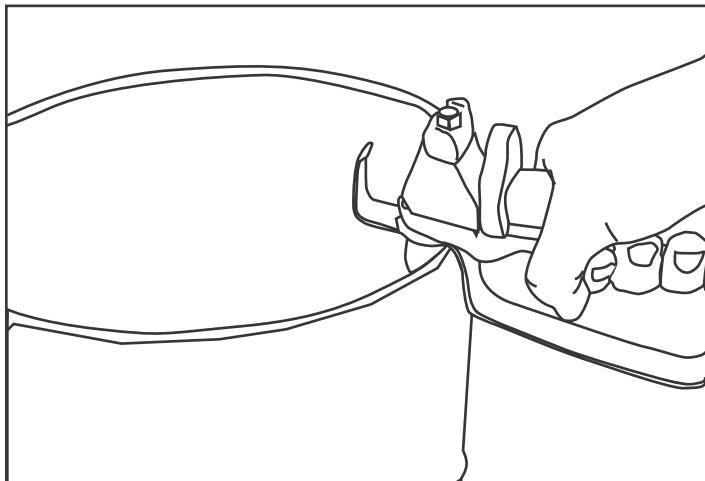
PRESSURE RELIEF PROCEDURE

! IMPORTANT!

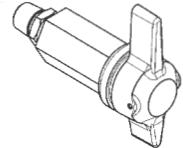
TO AVOID POSSIBLE SERIOUS BODY INJURY, ALWAYS FOLLOW THIS PROCEDURE WHENEVER THE SPRAYER IS SHUT OFF, WHEN CHECKING IT, WHEN INSTALLING, CHANGING OR CLEANING TIPS, WHENEVER YOU STOP SPRAYING, OR WHEN YOU ARE INSTRUCTED TO RELIEVE THE PRESSURE.

1. Engage the gun safety latch. Refer to the separate instruction manual provided with your gun on its safety features and how to engage safety latch.
2. Turn the unit off.
3. Disengage the gun safety latch and trigger the gun to relieve residual fluid pressure.

HOLD METAL PART OF THE GUN IN CONTACT WITH GROUNDED METAL PAIL. USE MINIMUM PRESSURE !



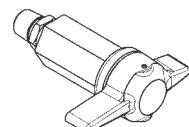
4. Turn Prime/Pressure Relief Valve (PR Valve) to the open (priming) position to relieve residual fluid pressure.



THERE WILL BE A WIDER GAP BETWEEN VALVE HANDLE AND CAM BODY WHEN IN OPEN POSITION. IN THE CLOSED POSITION THERE IS ONLY A VERY SLIGHT GAP.

NOTE: THE VALVE HANDLE CAN MOVE BOTH CLOCKWISE AND COUNTER CLOCKWISE AND CAN FACE DIFFERENT DIRECTIONS.

5. Re-engage gun safety latch and close Prime/Pressure Relief Valve.



If the **SPRAY TIP OR HOSE IS CLOGGED**, follow Step 1 through 5 above. Expect paint splashing into the bucket while relieving pressure during Step 4.

If you suspect that pressure hasn't been relieved due to damaged Prime/Pressure Relief Valve or other reason, engage the gun safety latch and take your unit to an authorized Airlessco Service Center.

DAILY MAINTENANCE

1. Keep the displacement pump packing nut/wet cup lubricated with Airlessco TSO (Throat Seal Oil) at all times. The TSO helps protect the rod and the packings.
2. Inspect the packing nut daily. Your pump has a patented Triple Life Packing System. Packing life will be extended a minimum of three times if the following "Packing Adjustment" procedure is followed:

IF SEEPAGE OF PAINT INTO THE PACKING NUT AND/OR MOVEMENT OF THE PISTON UPWARD IS FOUND (WHILE NOT SPRAYING), THE PACKING NUT SHOULD BE TIGHTENED ENOUGH TO STOP LEAKAGE ONLY, BUT NOT ANY TIGHTER. OVERTIGHTENING WILL DAMAGE THE PACKINGS AND REDUCE THE PACKING LIFE.

AIRLESS SPRAY GUN OPERATION

SPRAY

Attach spray gun to airless unit and tighten fittings securely. Set the gun safety latch. (Also may be called gun safety lock, or trigger lock)

* The gun safety latch should always be set when the gun is not being triggered.

Read all warnings and safety precautions supplied with the spray gun and in product manual.

MAJOR COMPONENTS OF SPRAY GUN AND REVERSIBLE SPRAY TIP

FIG. 8

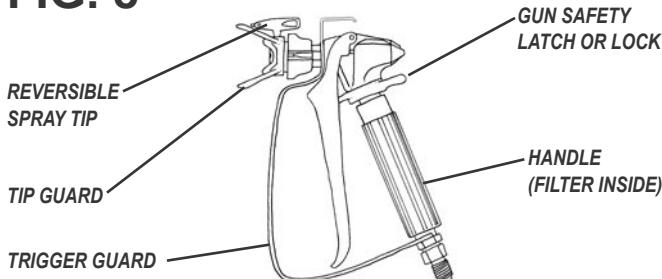


FIG. 7

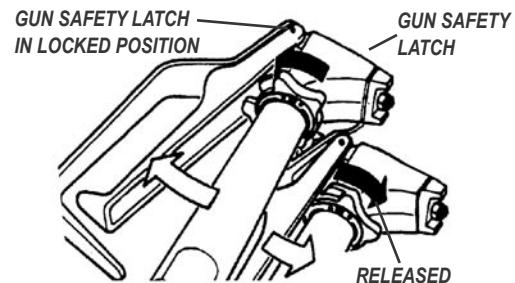
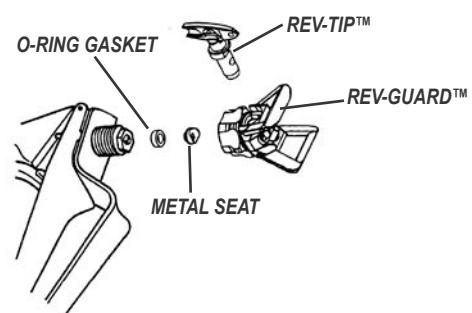


FIG. 9



SPRAY TIP ASSEMBLY

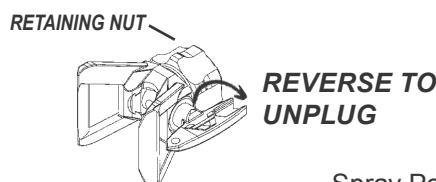
1. Be sure **PRESSURE RELIEF PROCEDURE** is followed before assembling tip and housing to the gun.
2. Lock gun safety latch.
3. Insert **REV-TIP™** cylinder into the **REV-GUARD™** (guard housing assembly).
4. Guide metal seat into **REV-GUARD™** (guard housing assembly) through retaining nut & turn until it seats against the cylinder.
5. Insert O-Ring gasket on metal seat so it fits in the grooves.
6. Finger tighten **REV-GUARD™** retaining nut on gun.
7. Turn guard in the desired position.
8. Completely tighten the retaining nut.

CLEANING FILTER IN GUN HANDLE

To clean the filter, use a brush dipped in an appropriate solvent. Change or clean filters at least once a day. Some types of latex may require a filter change after four hours of operation.

TO REMOVE CLOGS FROM SPRAY TIP

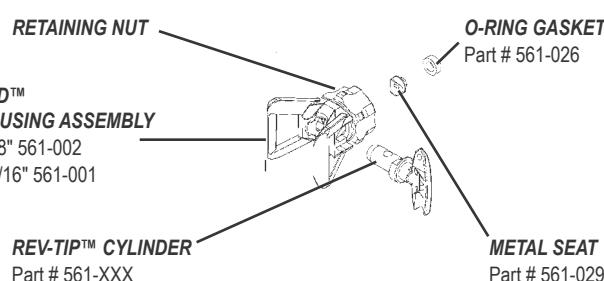
1. Lock gun safety latch.
2. Turn **REV-TIP™** handle 180 degrees.
3. Disengage trigger lock & trigger gun into pail.
4. If the **REV-TIP™** handle appears locked (resists turning), loosen the retaining nut. The handle will now turn easily.
5. Engage gun safety latch & return handle to the spray position.



Spray Position Shown

CLOGGED FLAT TIP

Should the spray tip become clogged, relieve pressure from hose by following the **PRESSURE RELIEF PROCEDURE**. Secure gun with the safety latch, take off guard, take out the tip, soak in appropriate solvent & clean with a brush. (Do not use a needle or sharp pointed instrument to clean the tip. The tungsten carbide is brittle and can chip.)

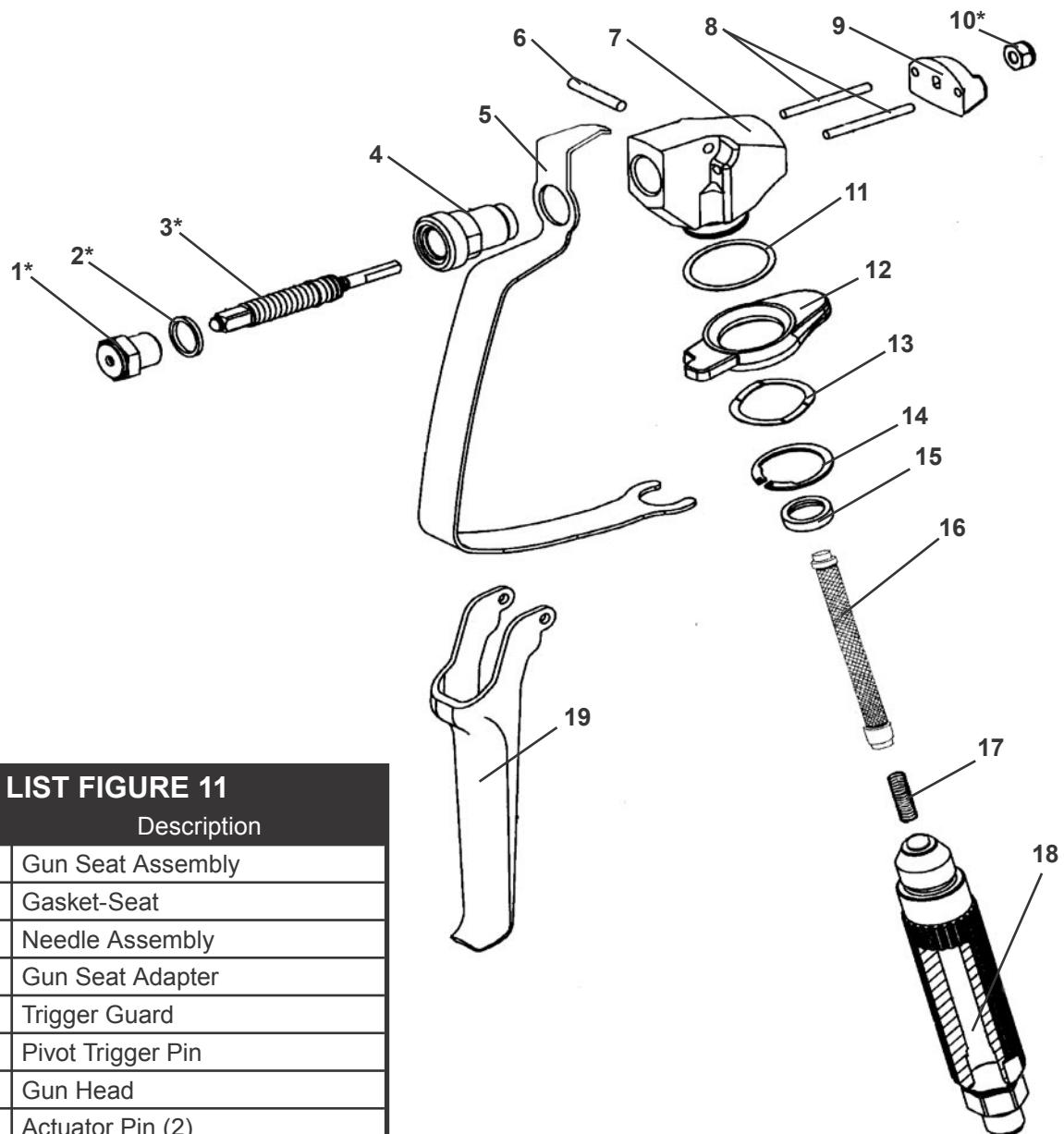


CLEANING SPRAY GUN

Immediately after the work is finished, flush the gun out with a solvent. Brush pins with solvent and oil them lightly so they will not collect dried paint.

AIRLESS SPRAY GUN

FIG. 11



PARTS LIST FIGURE 11

| Item No. | Part No. | Description |
|----------|-----------|-----------------------|
| 1 | 120-530* | Gun Seat Assembly |
| 2 | 120-535* | Gasket-Seat |
| 3 | 120-520* | Needle Assembly |
| 4 | 120-529 | Gun Seat Adapter |
| 5 | 120-562 | Trigger Guard |
| 6 | 120-539 | Pivot Trigger Pin |
| 7 | 120-509 | Gun Head |
| 8 | 120-540 | Actuator Pin (2) |
| 9 | 120-536 | Gun Plate |
| 10 | 120-038* | Nut |
| 11 | 120-056 | Plastic Washer |
| 12 | 120-538 | Gun Trigger Lock |
| 13 | 120-055 | Wave Washer |
| 14 | 120-049 | Retaining Ring |
| 15 | 120-082 | Handle Seal |
| 16 | 120-090CX | Gun Filter-Coarse |
| | 120-090FX | Gun Filter-Fine |
| 17 | 120-088 | Spring |
| 18 | 120-099 | Gun Handle Assy |
| 19 | 120-506 | Gun Trigger (008 Gun) |
| * | 120-534 | Gun Repair Kit |

AIRLESS SPRAY GUN TROUBLESHOOTING

| DEFECTS | CAUSE | CORRECTION |
|--|---|---|
| Coarse spray | Low pressure | Increase the pressure |
| Excessive fogging (overspray) | High pressure Material too thin | Reduce the pressure to satisfactory pattern distribution Use less thinner |
| Pattern too wide | Spray angle too large | Use smaller spray angle tip |
| Pattern too narrow | Spray angle too small | Use larger spray angle tip (if coverage is OK, try tip in same nozzle group) |
| too much material | Nozzle too large Material too thin Pressure too high | Use smaller nozzle Reduce pressure |
| too little material | Nozzle too small | Use next larger nozzle Material too thick |
| thin distribution in center of pattern "horns" | Worn tip Wrong tip | Change to new tip Use nozzle with narrow spray angle |
| Thick skin of work | Material too viscous Application too heavy | Thin cautiously Reduce pressure and/or use tip in next smaller nozzle group |
| Coating fails to close & smooth over | Material too viscous | Thin cautiously |
| Spray pattern irregular, deflected | Orifice clogged Tip damaged | Clean carefully Replace with new tip |
| Craters or pock marks, bubbles on work | Solvent balance | Use 1 to 3% "short" solvents remainder "long" solvents (this is most likely to happen with material of low viscosity, lacquers, etc.) |
| Clogged screens | Extraneous material in paint Course pigments Poorly milled pigments (paint pigments flocculate) | Clean screen Use coarse screen if orifice size allows. Use coarser screen, larger orifice tips. Obtain ball milled paint. If thinner has been added, test to see if a cover screen. Incompatible drop placed on top of paint mixes or flattens out on the paint mixture & thinners on the surface. If not, try different thinner in fresh batch of paint. |
| Excess paint builds on tip guard | Spray gun too close to surface Pressure setting too high | Hold gun further from surface sprayed Reduce pressure setting |
| Drips, spits from tip | Valve seat and/or ball in gun head damaged or worn | Service spray gun, replace valve assembly |
| Tip clogs continually | Debris in paint Gun filter missing Coarse filter mesh | Thoroughly strain the paint before use Do not operate without inlet strainer |

TEST THE PATTERN

GOOD, FULL



SPOTTY PATTERN, INCREASE PRESSURE



TIP SELECTION GUIDE

Spray tip selection is based on paint viscosity, paint type, & job needs. For light viscosities (thin paints), use a smaller tip; heavier (thicker paints), use a larger tip size. Spray tip size is based on how many gallons of paint per minute can

be sprayed through the tip. Do not use a tip larger than maximum pump flow rate or capacity the sprayer can accommodate. Pump flow rate is measured in gallons per minute (GPM).

| REV-TIP™ for Painting (560-XXX) | | SPRAY TIP - ORIFICE SIZE (INCHES) | | | | | | | | | | | | | | | |
|--|---|-------------------------------------|------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|--------------|--------------|---------------|--------------|--------|----------|------|
| in. | mm | .007 | .009 | .011 | .013 | .015 | .017 | .019 | .021 | .023 | .025 | .027 | .029 | .031 | .035 | .039 | .041 |
| 4-6 | 102-152 | | 209 | 211 | 213 | 215 | 217 | 219 | 221 | 223 | 225 | 227 | 229 | | | | |
| 6-8 | 152-203 | 307 | 309 | 311 | 313 | 315 | 317 | 319 | 321 | 323 | 325 | 327 | | 335 | | | |
| 8-10 | 203-254 | | 409 | 411 | 413 | 415 | 417 | 419 | 421 | 423 | 425 | 427 | 431 | | | | |
| 10-12 | 254-305 | | | 511 | 513 | 515 | 517 | 519 | 521 | 523 | 525 | 527 | 531 | 535 | | | |
| 12-14 | 305-356 | | | | 613 | 615 | 617 | 619 | 621 | 623 | 625 | 627 | 631 | 635 | 639 | 641 | |
| 14-16 | 356-406 | | | | | 715 | 717 | | 721 | | | | | | 739 | 741, 754 | |
| 16-18 | 406-457 | | | | | 815 | | 819 | 821 | | | | | 831 | | | |
| 20-24 | 508-610 | | | | | | NEW WIDE TIPS: | | W21 | W23 | W25 | W28 | W29 | W31 | | | |
| Gun Filter | | C=course-60 mesh F=Fine-100 mesh | F | F | F | F,C | C | C | C | C | C | C | REMOVE FILTER | | | | |
| Wood Interior | Lacquer, Varnish, Stain, Sealer, Enamel | • • | • • | • • | | • • | | | | | | | | | | | |
| Wood Exterior | Exterior Stain, Vinyl, Acrylic, Latex | | | | • • | | • • | | • • | | | | | | | | |
| Masonry | Vinyl, Oil Base, Alkyd, Latex, Acrylic, Block Filler, Elastomer | | | | | • • | • • | • • | • • | • • | • • | • • | • • | • • | • • | • • | |
| Ceiling | Hi Build, Mil White | | | | | | | | • • | | | | | | | | |
| Structural Steel | Heavy Coatings | | | | | | | | • • | • • | • • | • • | • • | • • | • • | • • | |
| Water Flow Rate @ 2000psi, 138 bar | (gpm) (lpm) | .12 .49 | .18 .69 | .24 .91 | .31 1.17 | .38 1.47 | .47 1.79 | .57 2.15 | .67 2.54 | .77 2.96 | 1.03 3.90 | 1.31 4.98 | 1.63 6.17 | 1.80 6.81 | | | |
| Paint Flow Rate latex paint @ 2000psi, 138 bar/1.36 spec. gr. | (gpm) (lpm) | .10 .38 | .15 .57 | .21 .79 | .27 1.02 | .33 1.25 | .40 1.51 | .49 1.85 | .58 2.20 | .66 2.50 | .88 3.33 | 1.12 4.24 | 1.39 5.26 | 1.54 5.83 | | | |
| Pump Minimum Output* | (gpm) (lpm) | .25 1.0 | .25 1.0 | .33 1.25 | .40 1.5 | .50 1.9 | .60 2.3 | .75 2.8 | .88 3.3 | 1.0 3.8 | 1.25 4.7 | 1.5 5.7 | 2.0 8.2 | 2.2 8.2 | | | |

*Pump will support tip worn to next larger size.

Thickness of the paint coat per stroke is determined by spray tip "fan width", rate of the spray gun movement, and distance to surface. Two tips having the same tip size, but different pattern widths will deliver the same amount of paint over a different area (wider or narrower strip).

A spray tip with a narrow pattern width makes it easy to spray in tight places.

During use, especially with latex paint, high pressure will cause the orifice to grow larger. This destroys the pattern. Replace tips before they become excessively worn. Worn tips waste paint, cause overspray, make cutting-in difficult, and decreases sprayer performance.

FINE FINISH REV-TIP™ (571-XXX)

New double orifice design for lower pressure airless spraying when you need finer atomization for a smoother finish on interior trim, cabinetry, shutters, and doors

| Inches | (mm) | Orifice Size | |
|--------|---------|--------------|------|
| | | .012 | .014 |
| 4-6 | 102-152 | 212 | 214 |
| 6-8 | 152-203 | 312 | 314 |
| 8-10 | 203-254 | 412 | 414 |

ELECTRIC MOTOR MAINTENANCE

- 1. LUBRICATION** - This motor is supplied with pre-lubricated ball bearings, lubricated for the life of the bearing.
- 2. MOTOR BRUSHES** - need periodic inspection and replacement as wear indicates. Brush wear is greatly influenced by individual application. It is recommended that brush wear be checked at early intervals of operation in order to determine future required inspection. Standard Durotech brushes have an initial length of 1". When the brushes are worn to a length of 1/2" they should be replaced.

For long life, new brushes (Part # 331-778 for 110 volt) need to have a run in period. After changing brushes, set the machine for spraying. With a bucket of Pump Conditioner and water, a 50' 1/4" airless hose, airless gun and tip on unit, open the prime valve and switch on. The pump will now prime. With pump running in the prime mode, turn the pressure control knob to high pressure. (The pump has to cycle fast with no pressure in the pump). Run the pump for 20 minutes and the brushes will be run in.

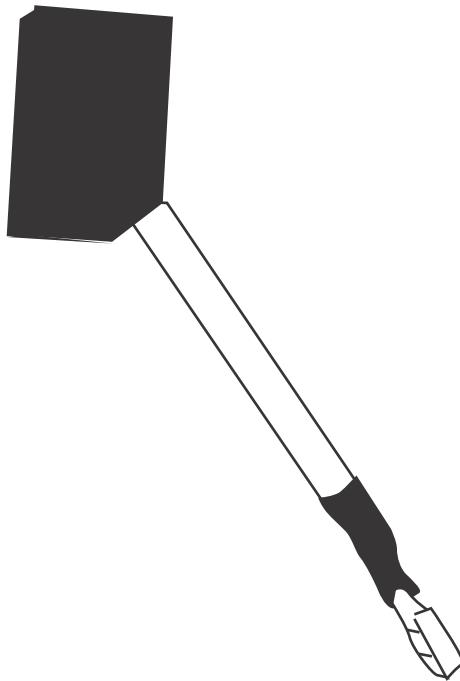
TO CHANGE THE BRUSHES:

1. Unplug the machine.
2. Remove the cover over the motor (if applicable.)
3. Open the two covers at the rear of the motor.
4. Disconnect the brush wire.
5. Pull out the wire.
6. Push the brush retainer clip in and withdraw.
7. Remove the worn brushes.
8. Install new brushes in the reverse order.

MOTOR BRUSHES

FIG. 12

331-778

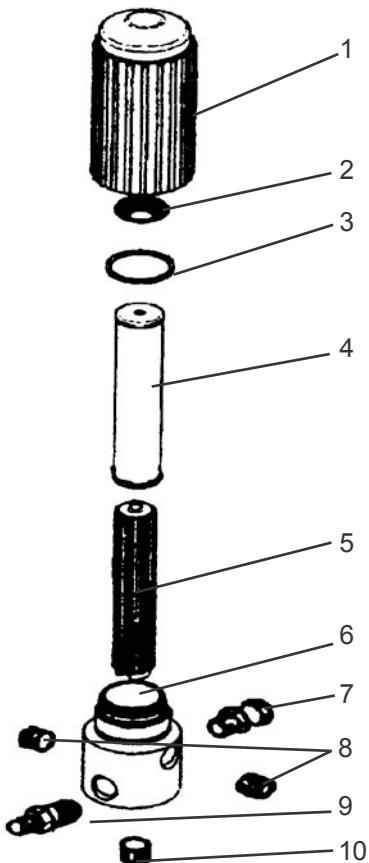


FIELD TROUBLESHOOTING

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| Unit doesn't prime | Airleak due to: • Loose suction nut • Worn o-rings • Hole in suction hose Stuck or fouled balls | <ul style="list-style-type: none"> • tighten suction nut • replace o-ring (106-018) on suction seat & o-ring (106-017) below suction seat • replace suction hose • service inlet and outlet valves |
| Unit primes but has poor or no pressure | Pressure set too low Filter(s) are clogged Outlet valve fouled/worn Prime/pressure relief valve bypassing Packings and/or piston worn | <ul style="list-style-type: none"> • turn up pressure • clean or replace gun filter, inlet filter, and/or manifold filter • service outlet valve • clean or replace prime valve (100-180) • tighten packing nut • repack unit |
| Unit does not maintain good spraying pressure | Blown spray tip Packings and/or pistons worn Upper seat worn | <ul style="list-style-type: none"> • replace spray tip • repack unit • replace upper seat |
| Unit does not run. | Tripped Breaker Electrical Failure | <ul style="list-style-type: none"> • reset breaker • see electrical troubleshooting |

OPTIONAL MANIFOLD FILTER (111-200-99)

FIG. 13



PARTS LIST FIGURE 13

| Item No. | Part No. | Description |
|----------|----------|------------------------|
| 1 | 111-202 | Base |
| 2 | 301-356 | Spring |
| 3 | 106-007 | O-Ring |
| 4 | 111-204 | Filter 60 Mesh |
| 5 | 111-203 | Support |
| 6 | 111-201 | Base |
| 7 | 100159 | Swivel |
| 8 | 100-129 | Plug 3/8" (2) |
| 9 | 100-109 | Nipple 3/8" M x 1/4" M |
| 10 | 100-028 | Plug 1/4" |

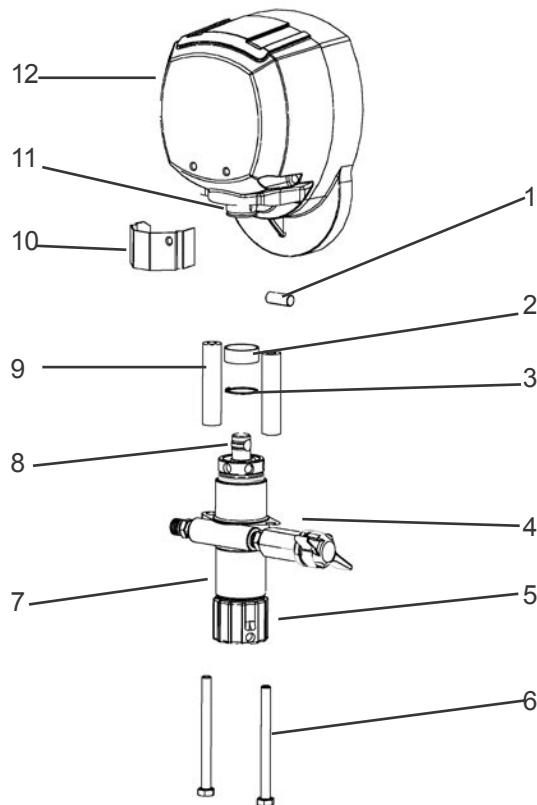
SERVICING THE FLUID PUMP

FLUID PUMP DISCONNECT

REFER TO FIGURE 14

1. Follow the Pressure Relief Procedure on page 8.
2. Flush the material you are spraying out of the machine.
3. Remove the connecting rod shield.
4. Move the piston rod to its lowest position by cycling pump slowly.
5. Turn off the motor.
6. Unscrew tubing swivel (Fig. 26, item 14) from the fluid pump.
7. Remove the retaining ring from the connecting rod and slide the sleeve down revealing the connecting rod pin.
8. Remove the suction tube assembly from the fluid pump by unscrewing the suction nut with the packing adjustment tool (189-211).
9. Using a 1/2" wrench unscrew the two bolts from the cover assembly. The fluid pump will be hanging loosely at this point.
10. Remove the connecting rod pin out of the connecting rod, allowing the removal of the fluid pump from the machine.

FIG. 14



FLUID PUMP REINSTALL

REFER TO FIGURES 14

1. Loosen the packing nut and ensure that the piston rod is in its upper position in the fluid pump body. Slip the sleeve & the retaining ring over the piston rod.
2. Push the piston rod up into the connecting rod & align the holes. Insert the connecting rod pin through the connecting rod & piston. Slip the sleeve up over the connecting rod pin and insert the retaining ring into the groove on the connecting rod.
3. Push the two bolts through the tube spacers & screw them into the cover assembly. Using a 1/2" wrench, tighten the two bolts evenly (alternating between them) until you reach 20 ft-lbs.
4. Reassemble lower suction valve assembly by placing the suction seat, O-ring, suction ball & suction ball guide in the suction nut & screw onto fluid pump body.
5. Attach tubing swivel to fluid pump.
6. Start the machine and operate slowly to check the piston rod for binding. Adjust the two bolts, holding the fluid pump body to the cover assembly, if necessary. This will eliminate any binding.
7. Tighten packing nut clockwise until resistance is felt against the Belleville Springs, go 3/4 of a turn more. Put five drops of Airlessco Throat Seal Oil in the packing nut.
8. Run the machine at full pressure for several minutes. Release the pressure by following the Pressure Relief Procedure & readjust the packing nut per step 6 above.
9. Install the connecting rod shield so that the small hole is in the upper right hand corner.

PARTS LIST FIGURE 14

| Item No. | Part No. | Description |
|----------|--------------------|--|
| 1 | 119-028 | Connecting Rod Pin |
| 2 | 331-117 | Sleeve |
| 3 | 331-062 | Retaining Ring |
| 4 | 115-019 | Hose Connector |
| 5 | 331-034 | Suction Nut |
| 6 | 100-318 | Bolts |
| 7 | 331-209 331-236 | Fluid Pump (Lo-Boy) Fluid Pump (Hi-Boy) |
| 8 | 331-093 | Piston Rod |
| 9 | 331-074 | Tube Spacers |
| 10 | 331-111 | Connection Rod Shield |
| 11 | 331-038 | Connecting Rod |
| 12 | 331-234 | Cover Assembly |

SERVICING THE OUTLET VALVE

DISASSEMBLY OF THE OUTLET VALVE

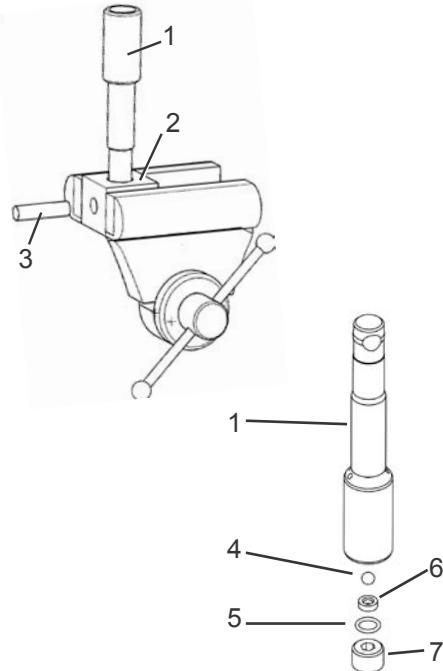
1. Disconnect the Fluid Pump following instructions on page 15.
2. Place piston holder in a vise. Slide piston into the holder & lock in place with a 3/8" dowel.
3. Use a 1/4" allen wrench to unscrew the outlet seat retainer from the piston.
4. Remove the outlet seat, O-ring and outlet ball.
5. Inspect outlet ball & seat for wear. Replace as necessary. Ensure seat is right side up.
6. While piston is still locked in the holder, install parts back into the piston in the following order:

BALL, OUTLET SEAT AND O-RING

Before reinstalling the outlet seat support, apply two drops of Loctite No. 242 (blue) on the threads & torque to 20 ft-lbs.

NOTE: Airlessco LP pump tool kit 188-197 is required for this task. Kit includes: Tightening Bar (189-211), Packing Removal Tool (331-465), Piston Holder (331-195), 3/8" dowel (331-196).

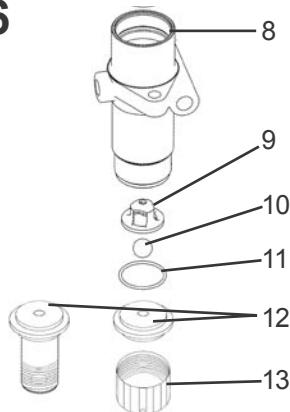
FIG. 15



SERVICING THE INLET VALVE

1. Un-thread and remove suction nut from the fluid pump body.
2. Remove suction seat, O-ring, suction ball and suction retainer.
3. Clean all parts and inspect them for wear or damage, replacing parts as needed.
4. Clean inside of the fluid pump body.
5. Reassemble lower suction valve assembly by placing the suction seat, O-ring, suction ball & suction ball guide in the suction nut & screw onto fluid pump body.

FIG. 16



PARTS LIST FIGURE 15 & 16

| Item No. | Part No. | Description |
|----------|--------------------|--|
| 1 | 331-708 | Piston |
| 2 | 331-195 | Piston Holder |
| 3 | 331-196 | Dowel Pin |
| 4 | 331-027 | Outlet Ball |
| 5 | 331-100 | O-Ring |
| 6 | 331-026 | Outlet Seat |
| 7 | 331-314 | Outlet Seat Retainer |
| 8 | 331-011 | Fluid Pump Body |
| 9 | 331-029 | Suction Ball Guide |
| 10 | 331-030 | Suction Ball |
| 11 | 106-011 | O-Ring |
| 12 | 331-409 331-292 | Suction Seat (Lo-Boy) Suction Seat (Hi-Boy) |
| 13 | 331-034 | Suction Nut |

PACKING REPLACEMENT PROCEDURES

DISASSEMBLY OF THE FLUID PUMP

REFER TO FIGURE 17 & 18

1. Disconnect the Fluid Pump as instructed on page 15.
2. Unscrew & remove the packing nut.
3. Push the piston rod down through the packings & out of the pump.
4. Now push the packing removal tool up through the pump & remove from the top bringing packings, spacer & springs along with it, leaving fluid body empty.
*Make sure all old packings & glands have been removed from fluid pump.
5. Clean inside of fluid body.
6. Disassemble all parts & clean for reassembly. Discard any old packings.
7. Lubricate leather packing in lightweight oil for 10 minutes prior to reassembly.

REASSEMBLY

REFER TO FIGURE 17

1. Take lower male gland & place it down on the flat side.
2. Take three of the lower polyethylene packings & two of the leather packings & place onto the male gland in the following order with the inverted side down 
POLYETHYLENE, LEATHER, POLYETHYLENE, LEATHER, POLYETHYLENE.
3. Take the female adaptor, which is inverted on both sides  & place it on top of your assembled lower packings.
4. Follow step 2 with your packings inverted side up. 
5. Take the second lower male gland and place it on top of your assembled packings with the rounded side down. 
6. Take assembled glands & packings (13 pieces) & slide onto the lower half of the piston.
7. Take the spacer & slide over the top of the piston (it doesn't matter which direction it sits, falling onto lower packings).
8. Take three Belleville Springs & slide over the top of the piston in the following order:
 - First spring, curve facing down 
 - Second spring, curve facing up 
 - Third spring, curve facing down 
9. Take the upper male gland & place it rounded side up. 
10. Take three upper polyethylene packings & two leather packings & assemble with inverted side down,  on to the male gland in the following order: polyethylene, leather, polyethylene, leather, polyethylene.
11. Take upper female gland & place on top of assembled upper packings with the inverted side down. 
12. Take assembled upper glands & packings (7 pieces) & slide on over the top of the piston, making sure inverted sides are down.

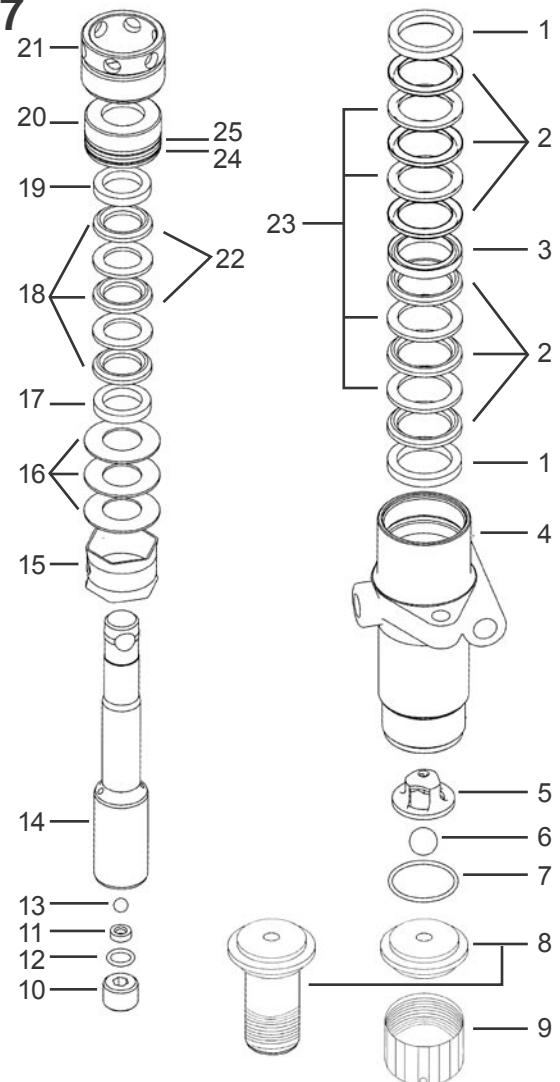
13. Take the packing holder & replace the white O-ring & the black O-ring with new ones from the packing kit.
14. Slide the packing holder over the top of the upper packings so they fit inside.
15. Lubricate inside of the fluid pump body & the outside of the packings with a light weight oil.
16. Slide assembly into fluid pump body.

TO KEEP PACKINGS SECURED IN CORRECT POSITION, HOLD THE PUMP BODY UPSIDE DOWN & PUSH THE COMPLETED ASSEMBLY UPWARDS INTO THE PUMP BODY. ONCE PLACED INSIDE, TILT PUMP BODY BACK UP TO KEEP ALL PIECES IN.

17. Tighten packing nut onto the top of the fluid pump body & tighten until you feel slight resistance against the Belleville Springs. Using the Packing Adjustment Tool, tighten another 3/4 of a turn.
18. Reinstall Fluid Pump as instructed on page 15.

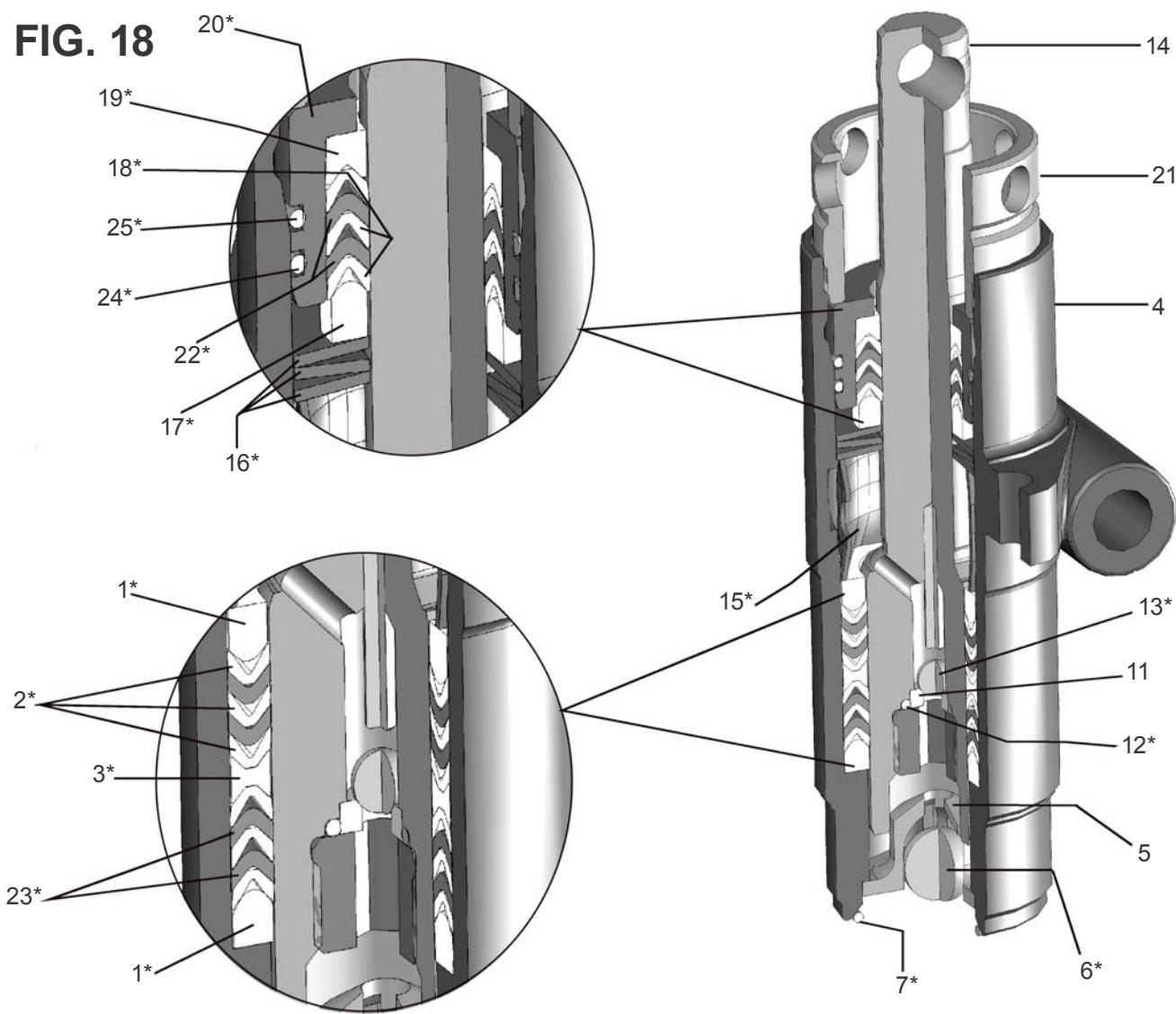
PARTS LIST ON FOLLOWING PAGE

FIG. 17



PACKING REPLACEMENT PROCEDURES

FIG. 18



PARTS LIST FIGURE 17 & 18

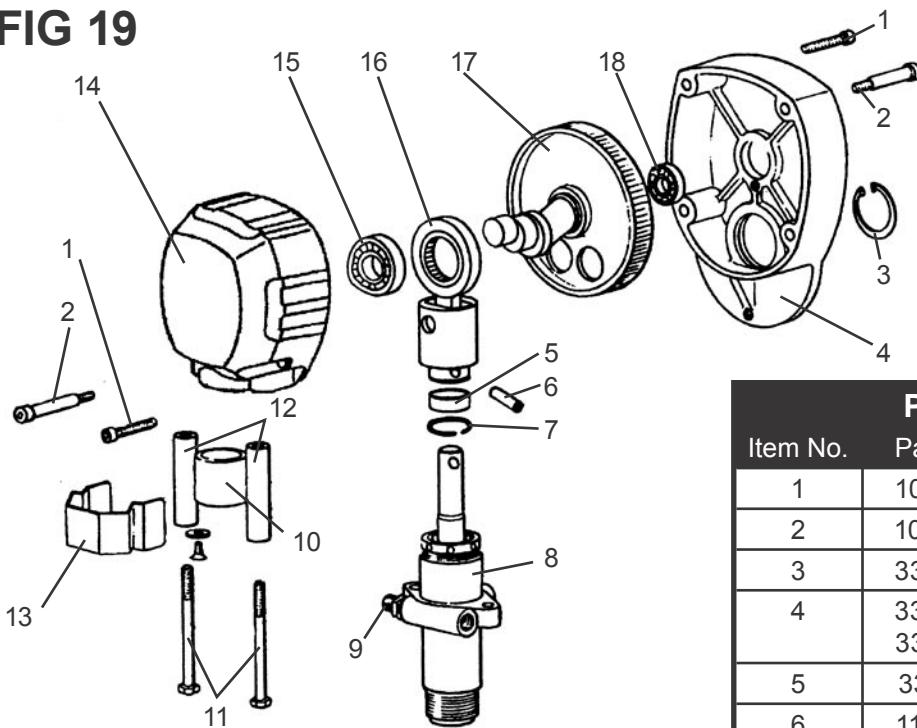
| Item No. | Part No. | Description |
|----------|--------------------|--|
| 1* | 331-014 | Male Gland |
| 2* | 331-016 | Packing Polyethylene |
| 3* | 331-308 | Female Adaptor |
| 4 | 331-011 | Fluid Pump Body |
| 5 | 331-029 | Suction Ball Guide |
| 6* | 331-030 | Suction Ball |
| 7* | 106-011 | O-Ring |
| 8 | 331-409 331-292 | Suction Seat (Carry & Lo-Boy) Suction Seat (Hi-Boy) |
| 9 | 331-034 | Suction Nut |
| 10 | 331-314 | Outlet Seat Retainer |
| 11 | 331-026 | Outlet Seat |
| 12* | 331-100 | O-Ring |
| 13* | 331-027 | Outlet Ball |

PARTS LIST FIGURE 17 & 18 CONT.

| Item No. | Part No. | Description |
|----------|----------|----------------------|
| 14 | 331-708 | Piston |
| 15* | 331-018 | Spacer |
| 16* | 331-025 | Belleville Springs |
| 17* | 331-022 | Male Gland |
| 18* | 331-023 | Packing Polyethylene |
| 19* | 331-021 | Female Gland |
| 20* | 331-019 | Packing Holder |
| 21 | 331-037 | Packing Nut |
| 22* | 331-307 | Packing Leather |
| 23* | 331-306 | Packnig Leather |
| 24* | 106-009 | White O-Ring |
| 25* | 106-010 | Black O-Ring |
| * | 331-210 | Packing Kit |

GEAR AND PUMP ASSEMBLY

FIG 19



WARNING

**DO NOT OPERATE
WITHOUT COVER
GUARD IN PLACE**

PARTS LIST FIGURE 19

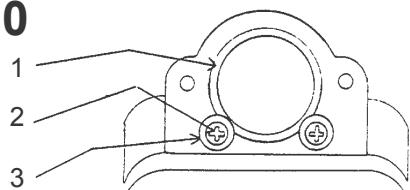
| Item No. | Part No. | Description |
|----------|--------------------|--|
| 1 | 100-381 | Bolt (2) |
| 2 | 100-380 | Shoulder Bolt (2) |
| 3 | 331-088 | Retaining Ring |
| 4 | 331-490 331-491 | Motor .60HP Motor .90HP |
| 5 | 331-117 | Sleeve |
| 6 | 119-028 | Pin |
| 7 | 331-062 | Retaining Spring |
| 8 | 331-209 331-236 | Pump Assy (Lo-Boy) Pump Assy (Hi-Boy) |
| 9 | 115-019 | Hose Connector (1/4NPSXNPT) |
| 10 | 331-061 | Sleeve Bearing |
| 11 | 100-318 | Bolt (2) |
| 12 | 331-074 | Tube Spacer |
| 13 | 331-111 | Shield |
| 14 | 331-234 | Cover |
| 15 | 331-046 | Bearing |
| 16 | 331-038 | Crosshead Assy |
| 17 | 331-593 331-590 | Gear Crank (570) Gear Crank (700) |
| 18 | 331-047 | Bearing |

SERVICING GEAR BOX ASSEMBLY

1. Remove fluid pump as per "Fluid Pump Disconnect" procedures on page 15.
2. Remove frame from the gearbox by loosening the four mounting screws.
3. Refer to Figure 19. Separate cover assembly from box by removing bolts from front of cover & back of box & shoulder bolts from front of cover & back of box.
4. Lay unit on its back and disassemble gearbox.
5. Inspect bearings, Crosshead Assembly, Gearcrank & sleeve bearing inside cover assembly for wear/damage. Replace worn/damaged parts.
6. If gear grease needs replacing, replace with gear grease (Part No. 331-132).
7. Clean mating surfaces of cover and box thoroughly. Use Part No. 105-331 **BLUE XS™ ADVANCED RTV SILICONE INSTANT GASKET**.
8. Reassemble in reverse order.

**GEARBOX SLEEVE BEARING
REPLACEMENT**

FIG 20



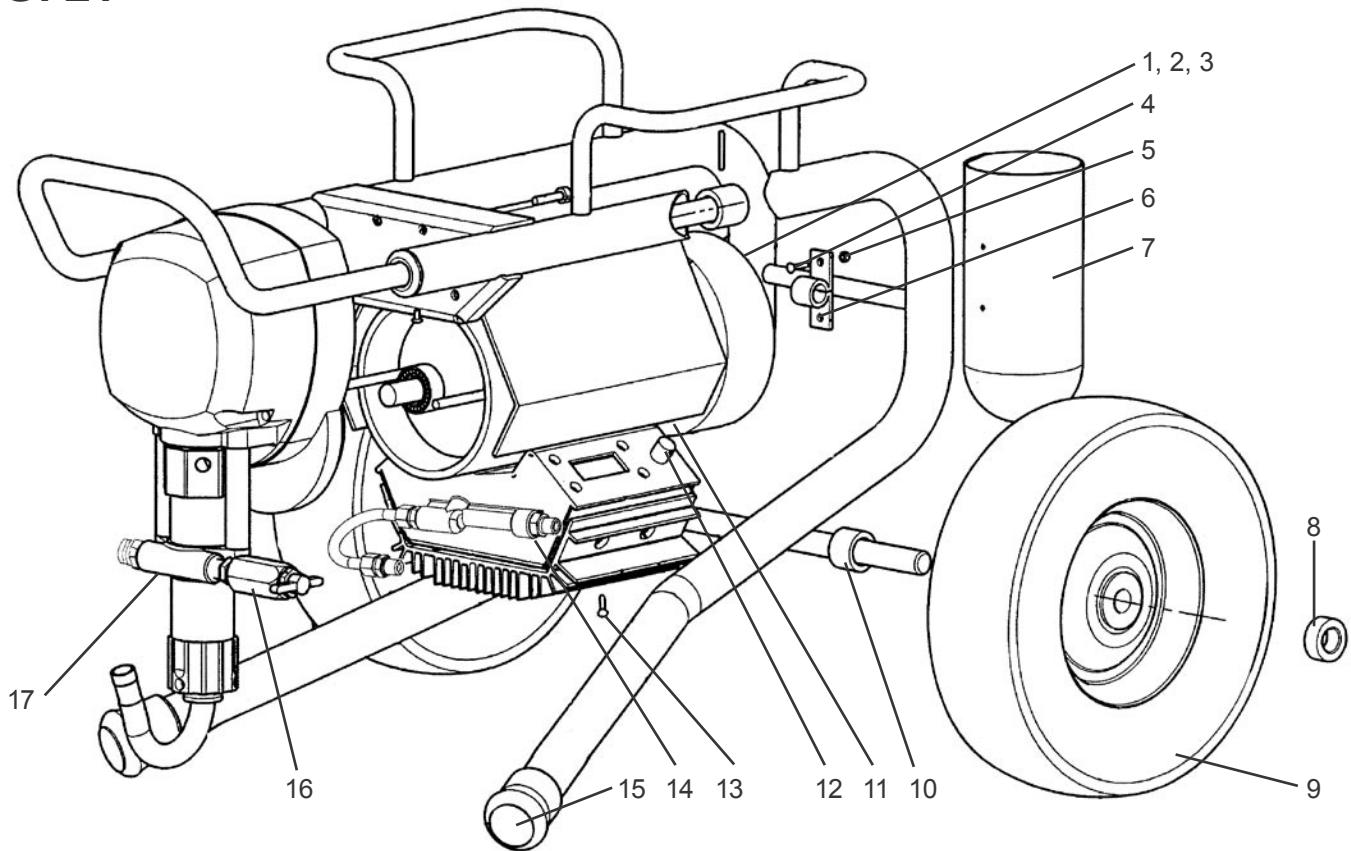
PARTS LIST FIGURE 20

| Item No. | Part No. | Description |
|----------|----------|----------------|
| 1 | 331-061 | Sleeve Bearing |
| 2 | 331-103 | Washer (2) |
| 3 | 331-197 | Screw (2) |

NOTE: WHEN REPLACING ITEM (1), COVER OUTSIDE OF SLEEVE WITH CLEAR SILICONE PRIOR TO INSERTING INTO COVER ASSEMBLY

LO-BOY MODELS

FIG. 21



PARTS LIST FIGURE 21

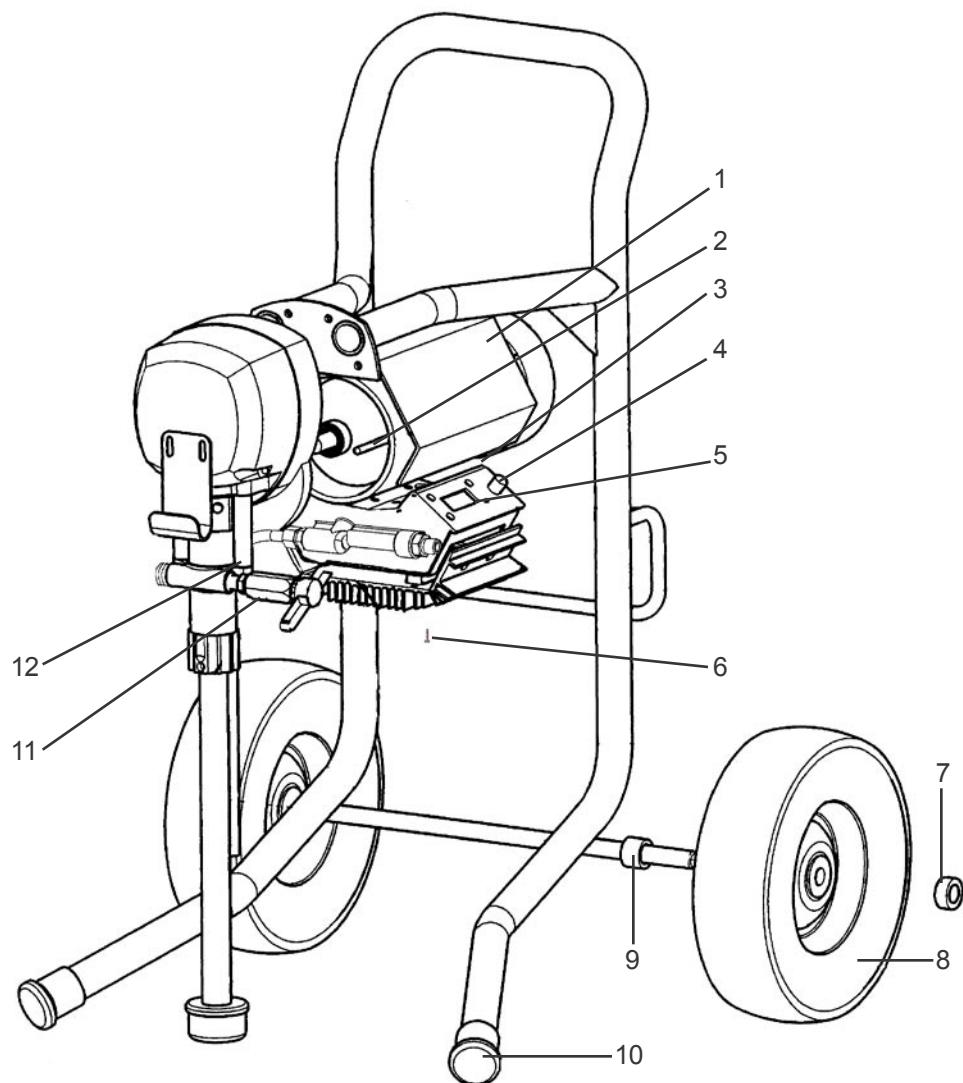
| Item No. | Part No. | Description |
|----------|----------|----------------------|
| 1 | 331-785 | Fan |
| 2 | 331-786 | Fan Cover |
| 3 | 117-090 | Fan Cover Screws (3) |
| 4 | 117-129 | Screw (2) |
| 5 | 119-033 | Nut (2) |
| 6 | 331-477 | Cup Support |
| 7 | 331-476 | Cup Assembly |
| 8 | 143-029 | Collar (2) |
| 9 | 113-019 | 10" Wheel (2) |

PARTS LIST FIGURE 21 CONT

| Item No. | Part No. | Description |
|----------|----------|---------------------|
| 10 | 305-039 | Spacer (2) |
| 11 | 331-337 | Rubber Edge (2) |
| 12 | 117-044 | Knob |
| 13 | 111-037 | Heatsink Screws (4) |
| 14 | 331-323 | Terminal Box |
| 15 | 331-048 | Rubber Boot (2) |
| 16 | 100-180 | Prime Valve |
| 17 | 100-318 | Bolts (2) |

HI-BOY MODELS

FIG. 22



PARTS LIST FIGURE 22

| Item No. | Part No. | Description |
|----------|----------|-----------------|
| 1 | 331-795 | Motor Cover |
| 2 | 331-788 | Bolt (.9HP) |
| 3 | 331-337 | Rubber Edge |
| 4 | 117-044 | Knob |
| 5 | 331-323 | Terminal Box |
| 6 | 111-037 | Heatsink Screws |

PARTS LIST FIGURE 22 CONT

| Item No. | Part No. | Description |
|----------|----------|-----------------|
| 7 | 143-029 | Collar (2) |
| 8 | 113-019 | 10" Wheel (2) |
| 9 | 113-030 | Spacer (2) |
| 10 | 331-048 | Rubber Boot |
| 11 | 100-180 | Prime Valve |
| 12 | 331-074 | Tube Spacer (2) |

SUCTION ASSEMBLIES

LO-BOY AND CARRY CHASSIS (331-238)

HI-BOY CHASSIS (331-284)

FIG. 23

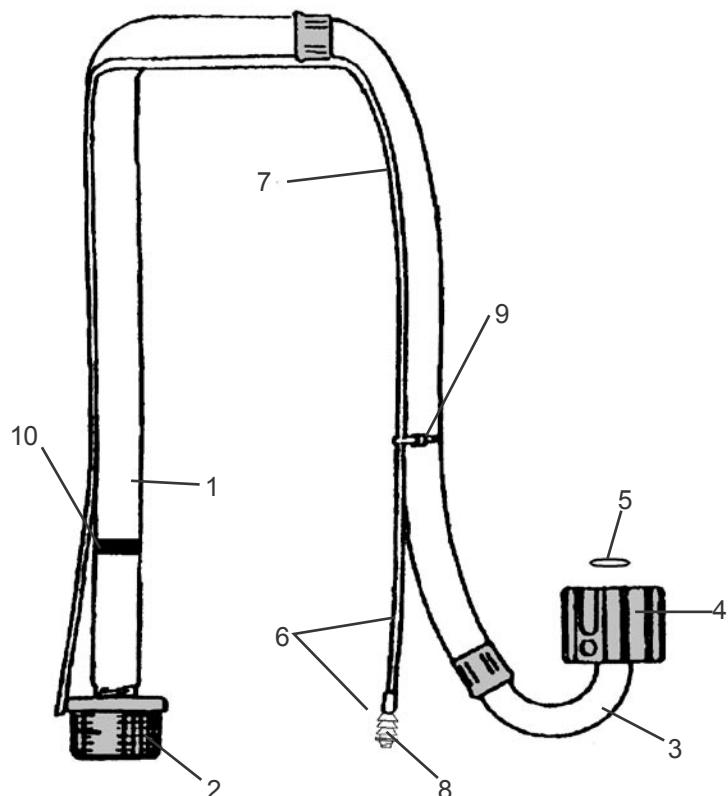
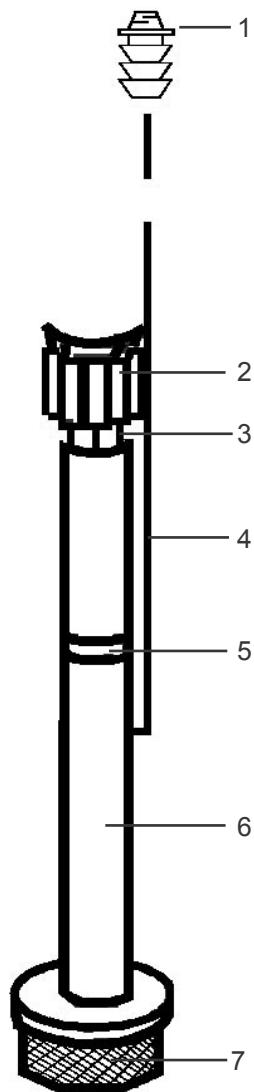


FIG. 24



PARTS LIST FIGURE 23

| Item No. | Part No. | Description |
|----------|----------|-------------------|
| 1 | 331-290 | Suction Hose Assy |
| 2 | 331-217 | Inlet Strainer |
| 3 | 331-035 | Suction Elbow |
| 4 | 331-034 | Suction Nut |
| 5 | 106-020 | PTFE O-Ring |
| 6 | 331-231 | Bypass Hose Assy |
| 7 | 331-425 | Bypass Hose |
| 8 | 331-090R | Fitting |
| 9 | 111-016 | Nylon Tie |
| 10 | 331-135 | Spring Clip |

PARTS LIST FIGURE 24

| Item No. | Part No. | Description |
|----------|----------|-------------------|
| 1 | 331-090R | Fitting |
| 2 | 331-034 | Suction Nut |
| 3 | 331-292 | Suction Seat Assy |
| 4 | 301-348 | Bypass Hose Assy |
| 5 | 116-103 | Spring Clip |
| 6 | 331-400 | Inlet Tube |
| 7 | 141-008 | Inlet Strainer |

PRESSURE CONTROL ASSY CALIBRATION

NOTE: ANYTIME A SENSOR OR PRESSURE CONTROL ASSEMBLY (BOARD) OR BOTH ARE REPLACED, THE FOLLOWING CALIBRATIONS MUST BE PERFORMED.

NOTE: PRESSURE CONTROL ASSEMBLIES (BOARDS) ARE NOW BEING EQUIPPED WITH A GREEN GROUNDING WIRE ATTACHED. CONNECT THE GROUNDING WIRE TO TERMINAL BOX USING THE SAME SCREW THAT HOLDS THE GROUNDING WIRE FROM THE POWER CORD.

1. ZERO CALIBRATION

1. Place prime/pressure relief valve in the prime (open) position.
2. Set the pressure control knob to the minimum setting (CCW).
3. Remove the screws and lower the pressure control assembly.
4. Remove any jumper on the "P-ZR" terminal. Note: This Jumper is no longer used.
5. Turn machine "ON" and ensure it is not cycling.
6. If the yellow light on the electrical board is ON and you have **"0000"** on the LCD display, the Zero Calibration is complete no further adjustment is necessary. If the light is ON and there are numbers on the display, use an insulated screwdriver to turn the **"ZERO"** trimpot counter-clockwise until the light goes out. Then turn it clockwise until the yellow light comes on, continue to turn the trimpot and the numbers will reduce until the LCD shows **"0000."** The Zero Calibration is now complete. If you adjust beyond **"0000"** the numbers will start to increase.

If the digital display shows **"- - -"** and no yellow light, you should turn the Zero trimpot clockwise until the yellow light is on, continue turning until **"0000"** is shown.

The goal is to see **"0000"** on the digital display, this is when you have Zero Calibration. Relying on the yellow light is no longer used.

2. PRESSURE CALIBRATION

1. Complete the ZERO calibration, as per "ZERO CALIBRATION" prior to commencing this calibration.
2. Attach a 50', 1/4" airless hose, airless gun with .017 tip and a 5000 psi glycerin filled pressure gauge to pump.
3. Place the suction tube into a bucket of Coro-cheek and water.
4. Turn prime/pressure relief valve to the prime (open) position.
5. Turn pressure control knob clockwise until machine starts to prime.
6. Place the prime/pressure relief valve in the pressure (closed) position.
7. While watching pressure gauge, slowly adjust the pressure trimpot (clockwise to increase and counter clockwise to decrease) until the maximum static pressure is 3000 psi, with the pressure control knob fully clockwise. Trigger the gun several times to ensure pressure returns to 3000 psi .

3. LCD DISPLAY CALIBRATION

IF SO EQUIPED

1. Complete the "ZERO CALIBRATION" and "PRESSURE CALIBRATION" procedures prior to commencing this calibration.
2. Turn pressure control knob up until system pressure is above 2500 psi (as indicated on glycerin filled pressure gauge) and the machine is not cycling.
3. Use an insulated screwdriver to adjust the LCD Set trimpot. Turn trimpot CCW until it clicks, then adjust to match pressure against pressure gauge reading.
4. Move the pressure control knob to different settings and trigger the gun several times to ensure that the LCD continues to match the pressure gauge reading.

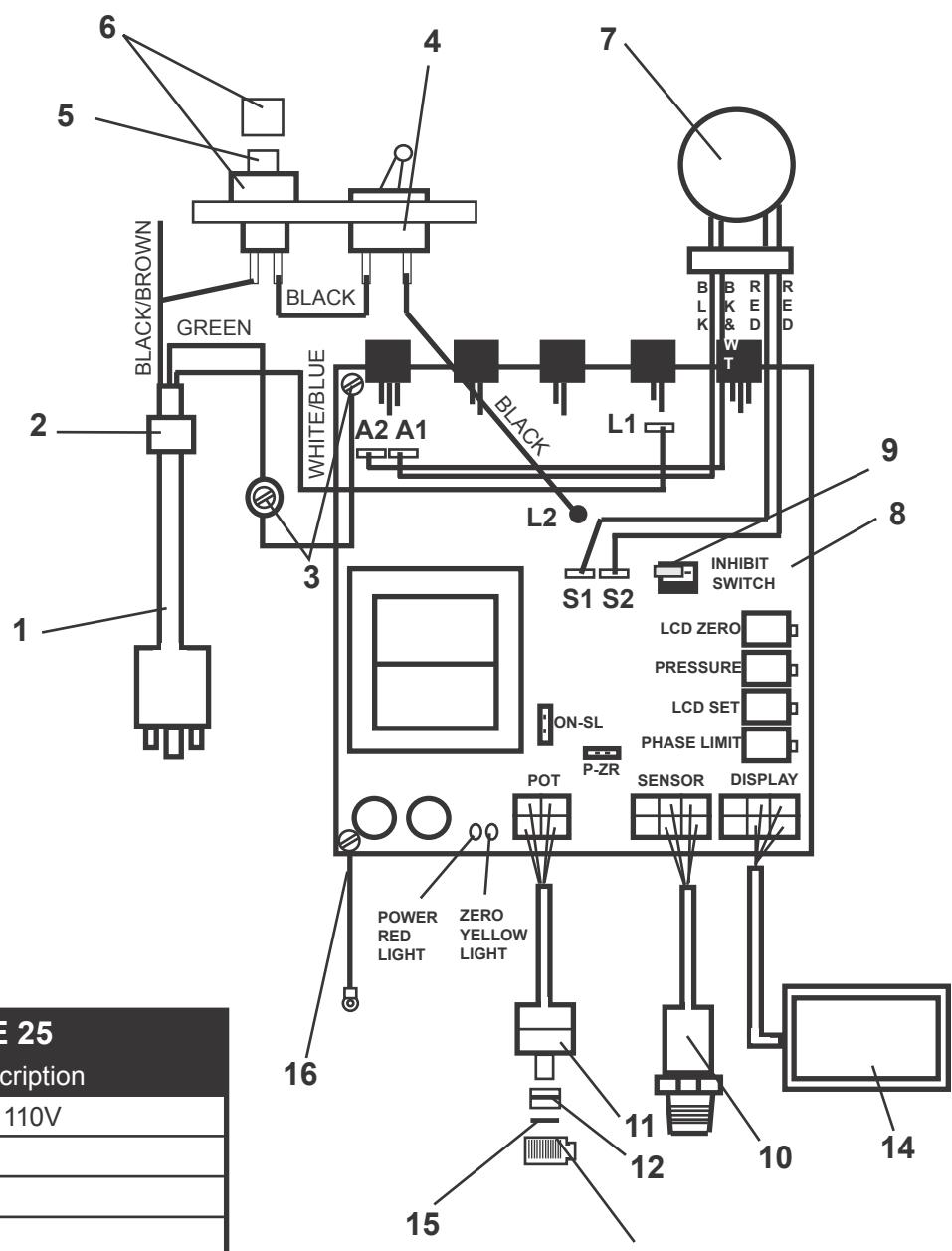
4. PASE LIMIT CALIBRATION

FORMERLY KNOWN AS THE LOW VOLTAGE OR MASTER VOLTAGE CALIBRATION

1. Attach a 50', 1/4" airless hose, airless gun with .017 tip and a 5000 psi glycerin filled pressure gauge to the pump.
2. Place the suction tube into a bucket of anti-freeze and water.
3. Turn pump on and turn up pressure control until the machine starts to prime.
4. Place the prime/pressure relief valve in the pressure (closed) position.
5. Pressurize pump to 600 psi.
6. Trigger the gun several times noting the deadband (the amount of pressure drop before the pump rebuilds to set pressure).
7. If deadband is greater than 100 psi, adjust the phase limit trimpot so that the deadband is less than 100 psi and the pressure increase after the gun trigger is released is less than 200 psi. These pressures are guidelines and may vary slightly from pump to pump.
8. Reattach pressure control assembly to unit.

ELECTRICAL SYSTEM - EZ SERIES

FIG. 25

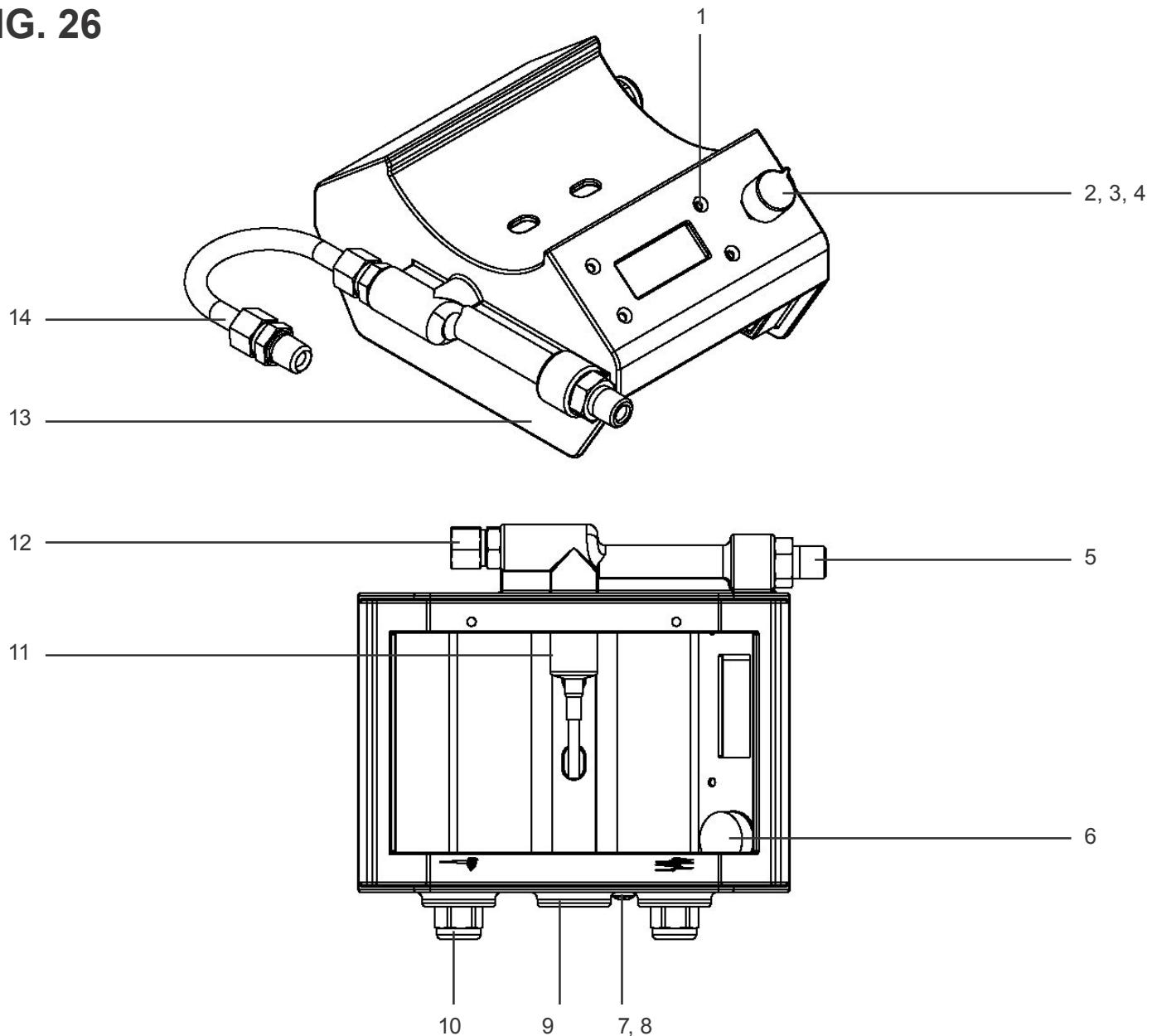


PARTS LIST FIGURE 25

| Item No. | Part No. | Description |
|----------|--------------------|----------------------------|
| 1 | 331-168 | Electrical Cord 110V |
| 2 | 331-161 | Strain Relief |
| 3 | 331-138 | Screw |
| 4 | 331-311 | Toggle Switch |
| 5 | 301-084 | Thermal Breaker 20A |
| 6 | 117-035 | Protective Cover |
| 7 | 331-490 331-491 | 0.6HP Motor 0.9HP Motor |
| 8 | 331-331-99 | Pressure Control Assy 110V |
| 9 | 117-207 | Jumper |
| 10 | 331-294-99 | Sensor |
| 11 | 331-297 | Potentiometer |
| 12 | 301-002 | Nut |
| 13 | 117-044 | Knob |
| 14 | 331-377 | LCD Display (PSI) |
| 15 | 115-068 | O-Ring |
| 16 | 117-452 | Ground Wire |

EZ SERIES PRESSURE CONTROL BOX (331-324)

FIG. 26



PARTS LIST FIGURE 26

| Item No. | Part No. | Description |
|----------|----------|-------------------------|
| 1 | 101-482 | Control Label (PSI/BAR) |
| 2 | 301-002 | Nut |
| 3 | 115-068 | O-Ring |
| 4 | 117-044 | Knob |
| 5 | 100-109 | Nipple |
| 6 | 331-297 | Potentiometer |
| 7 | 111-037 | Screw |

PARTS LIST FIGURE 26 CONT

| Item No. | Part No. | Description |
|----------|------------|------------------------|
| 8 | 120-021 | Nut |
| 9 | 100-029 | Plated Plug |
| 10 | 331-161 | Strain Relief, 1/2 NPT |
| 11 | 331-294-99 | Pressure Sensor Assy |
| 12 | 100-109 | Fitting |
| 13 | 331-323 | Terminal Box |
| 14 | 119-112 | Tube Assy |

REPLACEMENT OF ELECTRICAL COMPONENTS

WARNING: ALWAYS UNPLUG THE ELECTRICAL CORD BEFORE SERVICING MACHINE!

NOTE: ANYTIME THE PRESSURE CONTROL ASSEMBLY, SENSOR, OR BOTH ARE REPLACED, PERFORM THE CALIBRATIONS.

PRESSURE CONTROL ASSEMBLY (ELECTRICAL CONTROL BOARD)

1. Unplug machine's power cord.
2. Remove four screws heatsink housing.
3. Disconnect all leads from pressure control assembly.
4. Reassemble in reverse order.

SENSOR

1. Remove the four screws, heatsink, and lower the pressure control assembly.
2. Disconnect sensor lead from the board.
3. Unscrew sensor by holding sensor with 11/16" wrench.
4. Reassemble in reverse order.

POTENTIOMETER

1. Lower pressure control assembly as described above.
2. Disconnect potentiometer lead from pressure control assembly.
3. Use a 1/16" allen wrench, loosen set screw in the potentiometer knob and remove knob and spacer.
5. Using a 1/2" wrench or deep socket, remove the nut from the potentiometer shaft assembly.
5. Pull entire potentiometer assembly out of terminal box.
6. Replace in reverse order.

ON-OFF TOGGLE SWITCH

1. Lower the pressure control assembly as described above.
2. Disconnect the two wires on the toggle switch
3. Use a 9/16" wrench to loosen the nut on the toggle switch shaft.
4. Reassemble in reverse order.

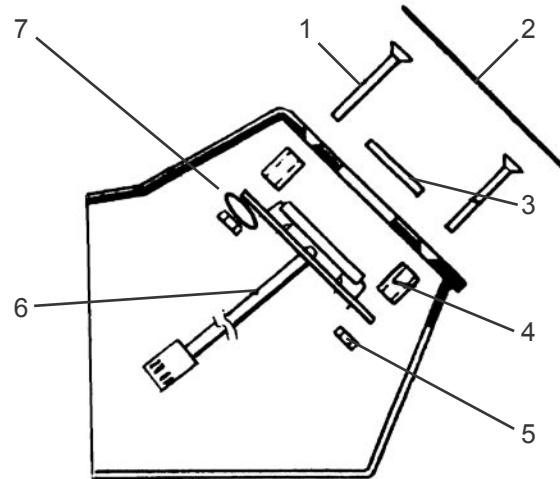
FUSE HOLDER

1. Lower pressure control assembly as described above.
2. Disconnect the two wires on the holder.
3. Remove holder cover and fuse.
4. Use 11/16" wrench to remove the nut from the holder shaft.
5. Reassemble in reverse order.

LIQUID CRYSTAL DISPLAY (LCD)

1. Lower pressure control assembly as described above.
 2. Unscrew the four nuts (6/32") and remove LCD Display assembly.
 3. If unable to loosen the four nuts, hold them and unscrew the four screws. Then remove the LCD Display Assembly. If the display is removed in this manner, the mylar label must be replaced.
 4. Reassemble in reverse order, while making sure that the four spacers and the four washers are in place.
- Tighten the four nuts handtight and seal with blue loctite. **DO NOT** overtighten the nuts as this will damage the display.

FIGURE 27



PARTS LIST FIGURE 27

| Item No. | Part No. | Description |
|----------|-----------------------|--|
| 1 | 100-362 | Screw (4) |
| 2 | 101-482 | Mylar Label - Clear |
| 3 | 331-360 | Window |
| 4 | 117-281 | Spacer (4) |
| 5 | 117-126 | Nut (4) |
| 6 | 331-377 331-304-99 | LCD Display (PSI) LCD Display Kit (PSI) |
| 7 | 120-046 | Washer (4) |

TROUBLESHOOTING - MACHINE DOES NOT START

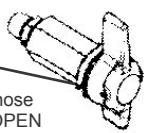
| Cause | Steps |
|---------------------------------------|--|
| Control Settings | STEP 1: After making sure that the machine is plugged into the wall, verify that the on-off switch is in the ON position and that the pressure control knob is turned all the way to the right (clockwise for maximum pressure). |
| Thermal Breaker | STEP 2: Using your multi-meter, test the breaker for continuity or replace with a new Breaker. If the Breaker reads good, move on to step three. |
| Power Source | STEP 3: Using a Phillips Head screwdriver, remove the four screws holding the pressure control assembly. Locate the red light on the board indicating that there is power (it will be red.) If the light is OFF proceed to step four. If the light is ON go to step six. |
| Power Source | STEP 4: Locate the L1 and L2 terminals on the board, and then using your multi-meter check to make sure you have 110 volts AC across the two terminals (the cord wires will still be attached). If there is no voltage at these leads, there is no power getting to the machine. Check your power source (outlet, circuit fuse, extension cord, and power cord). If you have AC voltage at the L1 and L2 terminals, go to step 5. |
| Thermal Overload | STEP 5: Disconnect the two red motor leads (S1 & S2) and test for continuity between them. No continuity means that the thermal coupler has opened due to excessive motor heat. If the motor is still hot to the touch, allow it to cool and then retest. If the motor is cool and there is not continuity on the red leads, contact Airlessco Technical Support to repair/replace the thermal coupler. Continuity shows that the motor's thermal coupler has not tripped. Proceed to step six. |
| Pressure Control Assembly (Board) | STEP 6: If everything checks out in steps one through five and the power indicating light is still out, replace the pressure control assembly. |
| Motor | STEP 7: Remove the motor brush covers and turn the machine on. Set the potentiometer (POT) at maximum pressure and check for DC voltage across both brush terminals. You should read greater than 80 volts DC. IF YOU DO NOT HAVE DC VOLTAGE GO TO STEP EIGHT. If you have DC voltage, turn the machine off and unplug it from the wall. Check to make sure that the brushes are making good contact with the armature. Replace the brushes if they are less than 1/2" long. If the brushes are good, replace the motor. |
| Sensor | STEP 8: Plug another sensor into the board and perform the zero calibration procedure. If the machine starts to run, the sensor was bad. If there is no replacement sensor available, use a multi-meter to test the resistance across the red and black wires of the sensor (be sure to test at the plug). You should read 1.5 - 3.5k ohms. A faulty sensor usually reads no continuity (open). If the sensor passes all the tests move to step nine. |
| Pressure Control Knob (Potentiometer) | STEP 9: Plug another potentiometer (POT) into the control board. If the machine starts, the old POT is bad. When a replacement POT is not available, remove the POT lead (with the machine turned off) from the control board and test the resistance between the red and black wires (be sure to test at the plug). The resistance should read between 8-12k ohms if it is outside of this range replace the POT. |
| Pressure Control Assembly (Board) | STEP 10: If you have DC voltage at the motor brushes and all of the components check out fine in steps eight and nine, replace the pressure control assembly. |

EZ SERIES ELECTRIC PAINT SPRAYER QUICK REFERENCE GUIDE

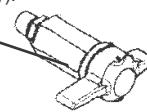
OPERATION

Prime Pressure Relief Valve (Prime-PR Valve)

Used to relieve pressure from gun, hose & tip and to prime the unit when in OPEN position. (It is in open position when there is a wider gap between handle and body).

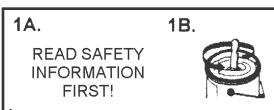


When in the CLOSED position, there is only a very slight gap between handle & body. When the relief valve is closed the system is pressurized. **Handle as a loaded firearm!**



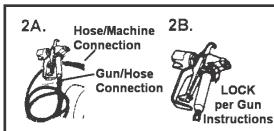
STEP 1

- 1A. Read safety rules! Read & understand all warnings & safety rules before operating equipment. Know how to lock the gun trigger safety lock before operating the equipment.
- 1B. Stir paint and if necessary strain paint using a paint strainer bag to remove lumps.



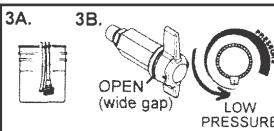
STEP 2

- 2A. Check gun/hose connections to make sure they are tight.
- 2B. Lock gun trigger safety lock (Airlesco gun shown)
Note: Plug into 3 pronged grounded electrical outlet. Extension cord must be 3 wire, 12 gauge. Do not coil cord.



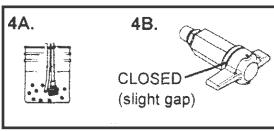
STEP 3

- 3A. Put pump suction tube into bucket of paint.
- 3B. Turn the Prime-Pressure Relief Valve to open position (wide gap between handle & body). Turn toggle switch ON, and adjust to low pressure on the pressure control knob. The unit will now self-prime.



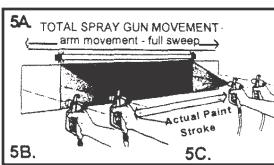
STEP 4

- 4A. Wait about one minute until fluid comes out of the return tube (smaller diameter tube).
- 4B. Turn the Prime-Pressure Relief Valve to closed position. (slight gap between handle and body)
CAUTION: THE UNIT IS NOW PRESSURIZED!



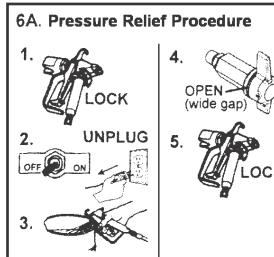
STEP 5

- Note:** Leave the Prime-Pressure Relief Valve fully closed and very carefully unlock the gun trigger safety lock.
- 5A. Aim the gun 12" from test surface cardboard) and spray out the storage solution. Turn the pressure control knob clockwise to increase pressure. Increase the pressure enough to atomize the paint & give a full pattern. Use the lowest pressure possible.
 - 5B. Always keep the gun perpendicular to the surface. Move the gun at a steady rate. It is important to "trigger" the gun after gun movement has begun and release trigger before gun movement ends.
 - 5C. Overlap half the width of each paint stroke.



STEP 6

- 6A. Release pressure when you stop spraying & before servicing gun or machine or before changing or cleaning gun tip by:
 1. Lock the gun trigger safety.
 2. Turn toggle switch to OFF position and unplug from electrical outlet.
 3. Release gun safety lock and trigger gun to relieve residual pressure.
 4. Turn Prime/PR Valve to open position.
 5. Relock gun safety latch.
- 6B. Submerge gun in water (if using latex) or thinner (oil-base) to prevent paint from drying in the gun nozzle.



CLEANING

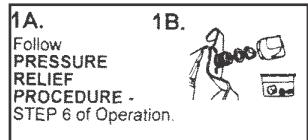
- Always use low pressure in the cleaning process.
- Always remove spray tip before cleaning—**AFTER following the Pressure Relief Procedure!**
- Use a metal bucket for cleaning and maintain firm metal to metal contact of gun to the bucket.

TOOLS & EQUIPMENT NEEDED:

1. Soft bristle brush, clean-up rags.
2. 8" crescent wrench for removing gun tip & filter in gun handle.
3. Prepared 5 gal. bucket of soapy water if using latex, or mineral spirits if using oil-based. (Second bucket will usually be required).
4. Empty bucket for wastes.
5. Storage solution of Pump Conditioner mixed with 1 gal. of water if using latex OR compatible paint thinner if using oil-based paint.

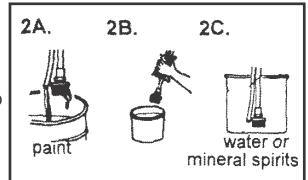
STEP 1

- 1A. **IMPORTANT:** Relieve pressure by following the Pressure Relief Procedure, Step 6 of Operation, and be sure gun safety lock (latch) is in locked position.
- 1B. Remove tip and tip guard from spray gun and place in mineral spirits or water.



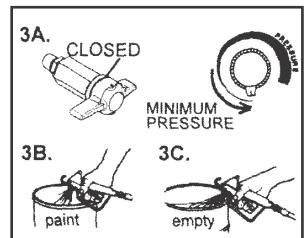
STEP 2

- Note: Turn unit ON. Turn pressure control knob to low pressure.
- 2A. Lift suction tube and return tube out of paint and hold over paint bucket. Any paint remaining in the unit will return into the bucket out through the return tube.
 - 2B. Wipe excess paint from suction tube.
 - 2C. Place suction tube into prepared bucket of water or mineral spirits.



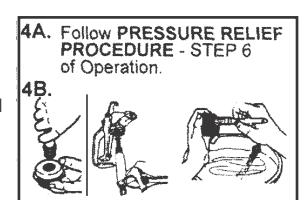
STEP 3

- Note: Release the gun trigger lock very carefully.
- 3A. Turn the Prime/PR Valve to the closed position. Adjust the pressure control knob for minimum pressure.
IMPORTANT: Never use high pressure for cleaning!
 - 3B. Trigger gun into paint bucket to allow paint to run out of hose and gun.
 - 3C. Place gun over empty metal bucket and trigger gun using VERY LOW PRESSURE & maintaining firm metal to metal contact for 3-4 minutes until it runs clean. (Second bucket may be required).



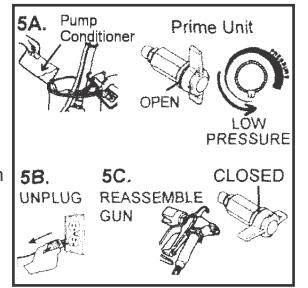
STEP 4

- 4A. **IMPORTANT:** Follow Pressure Relief Procedure Step 6A of Operation!
- 4B. Remove filters from suction tube and gun handle. Clean with water or mineral spirits and soft brush and reassemble suction and gun filter only. **DO NOT** reassemble gun tip and tip guard at this point.



STEP 5

- 5A. Mix bottle of Pump Conditioner with 1 gal. of water or prepared mineral spirits and put suction tube into pail. Prime unit (Prime/PR Valve Open Position & Pressure Control Knob in low position) Trigger gun to fill the hose & gun. LEAVE this mixture in the pump & hose for storage. DO NOT DISCHARGE. Turn motor off while the suction tube remains in the bucket.
- 5B. Disconnect from power.
- 5C. Roll up hose and tape. Now reassemble gun with spray tip and tip guard. After you have disconnected sprayer from electrical power, turn Prime/PR Valve to the closed position for storage.



NOTES

AIRLESSCO ACCESSORIES

Quick Flush™

- The only clean water flushing system
- Cuts sprayer clean-up time in half!
- Connects to standard garden hose to backflush sprayer through gun
- Includes "F" and "G" adapters to work with all brands of gun

Part # 170-005





PAINT HOPPER

For use on small jobs where paint is kept in smaller than 5 gallon containers. Threads onto pick-up tube of carry or LoBoy framed Airlessco sprayers.

331-775 6 Liter Paint Hopper



PUMP CONDITIONER

Should be used on piston pumps between uses to prevent paint from drying on the piston & causing packing wear.

010-001 Display of 48 - 1 oz. bottles

010-009 1 quart bottle

010-019 1 Gallon bottle

Case quantity: 12 on quarts, 4 on gallons



PAINT STRAINERS

Pre-filter your paint using strainer bags. One dozen per pack.

100-064 Used to cover suction filter

100-065 5 Gallon strainer



HOSE COVER

4 mil poly protects your airless hose from paint and abrasion damage. Comes in 1000' roll with perforations each 50'.

100-219 Hose Cover Roll

100-426 Case of 6 Rolls

HIGH PRESSURE AIRLESS HOSE

Strong yet flexible, for airless sprayers up to 3300 PSI

Part No: Hose Description

100-012 3/16" Whip Hose, 4 Ft.
 100-040 1/4" Whip Hose, 3 Ft.
 100-204 1/4" Whip Hose, 5 Ft.
 100-199 3/8" Whip Hose, 6 Ft.

100-011 1/4" Hose, 50 Ft.

100-023 3/8" Hose, 50 Ft.

100-037 1/2" Hose, 50 Ft.

100-010 1/4" Hose Connector

100-009 3/8" Hose Connector

For a complete listing of all available accessories see the Airlessco Accessories Catalog, Part # 001-357.



STAY CLEAN™

Spray protectant for machine to prevent paint from sticking to it. Keeps your sprayer looking new for years!

114-030 20 oz. can
 Case quantity: 12 cans



THROAT SEAL OIL

Used in the wet cup of a piston pump to prevent paint from drying on the piston & causing damage to the upper packing. Use with all piston pumps.

188-187 6 oz. Bottle
 188-392 1 qt. Bottle

XTEND-A-POLE SYSTEM



STANDARD TIP EXTENSION, "G" Thread

032-170 6" Long
 032-171 12" Long
 032-172 18" Long
 032-173 24" Long

SWIVEL EXTENSION, "G" Thread

032-184 36" Long

BARE POLE

Add Tip Extension or Swivel Extension to create desired length

032-053 24" Long
 032-054 36" Long



SWIVEL "G" THREAD

032-035-55 7/8" x 14 Swivel

ADAPTERS

90° Pole to Gun Adapter
 032-042



Gun Nut "F" Thread 11/16-16
 032-010



Gun Nut "G" Thread 7/8-14
 032-011



"F to G" Gun adapter to attach Graco® tips to Airlessco guns.
 032-012